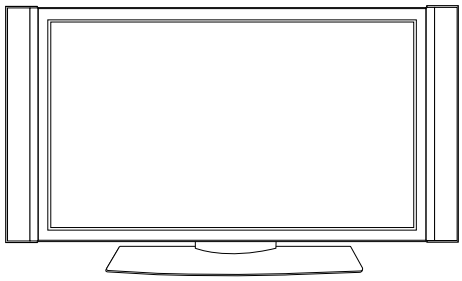
LG

PLASMA TV
SERVICE MANUAL

CHASSIS : AF-046A

MODEL : DT-60PY10

CAUTION
BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



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SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by ⚠ in the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

General Guidance

An **isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

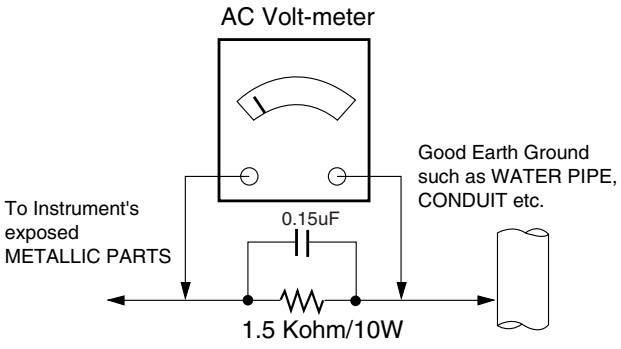
Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube**. Do not lift the Picture tube by it's Neck.

Leakage Current Cold Check(Antenna Cold Check)
With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.
If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1MΩ and 5.2MΩ.
When the exposed metal has no return path to the chassis the reading must be infinite.
An other abnormality exists that must be corrected before the receiver is returned to the customer.

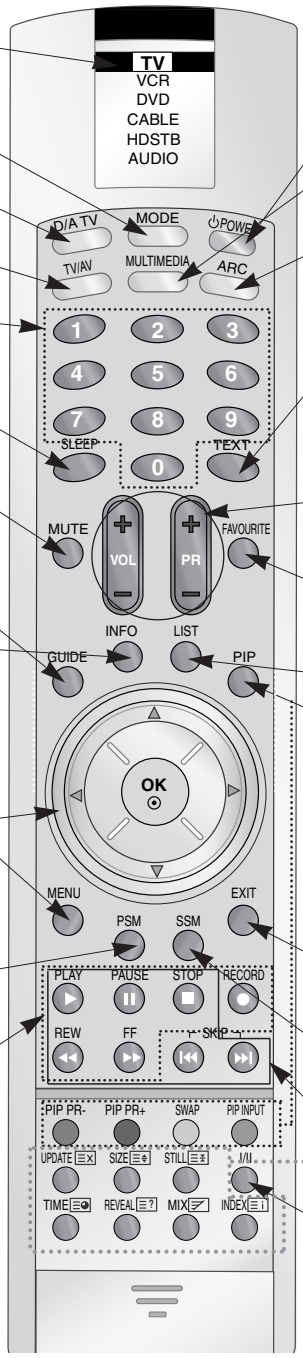
Leakage Current Hot Check (See below Figure)
Plug the AC cord directly into the AC outlet.
Do not use a line Isolation Transformer during this check.
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.
Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.
Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.
In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



DESCRIPTION OF CONTROLS

- When using the remote control aim it at the remote control sensor of the set.
- There's maybe a defect in consecutive operation of remote control in specified brightness according to this set feature.



displays the selected device.

MODE
selects another device.

D/A TV
selects analogue or digital mode.

TV/AV
selects the remote operating mode.
switches the set on from standby.

NUMBER buttons

SLEEP
sets the sleep timer.

MUTE
switches the sound on or off.

GUIDE
shows a programme schedule.
(In Digital mode only)

INFO
displays information on top of the screen during watching the TV.
(In Digital mode only)

MENU
selects a menu.

OK
accepts your selection or displays the current mode.

▲ / ▼ or ◀ / ▶
adjusts menu settings.
selects menu item.

PSM (Picture Status Memory)
recalls your preferred picture setting.

VCR BUTTONS
controls a LG video cassette recorder.

POWER
switches the set on from standby or off to standby.

MULTIMEDIA
selects **Component 1/2**, **RGB-DTV**, **RGB-PC**, **DVI-DTV** or **DVI-PC** modes.
switches the set on from standby.

ARC (Aspect Ratio Control)
changes the picture format.

TEXT
These buttons are used for teletext.
For further details, see the 'Teletext' section.
switches the subtitle on or off in Digital mode.
Note : *In teletext mode, the **PIP PR +/-**, **SWAP** and **PIP INPUT** buttons are used for teletext function.*

VOL +/- (Volume Up/Down)
increases/decreases sound level.
PR +/- (Programme Up/Down)
selects a programme.
switches the set on from standby.

FAVOURITE
selects a favourite programme.

LIST
displays the programme table.

PIP
switches the sub picture on or off.
PIP PR +/-
selects a programme for the sub picture.
SWAP
alternates between main and sub picture.
PIP INPUT
selects the input mode for the sub picture.

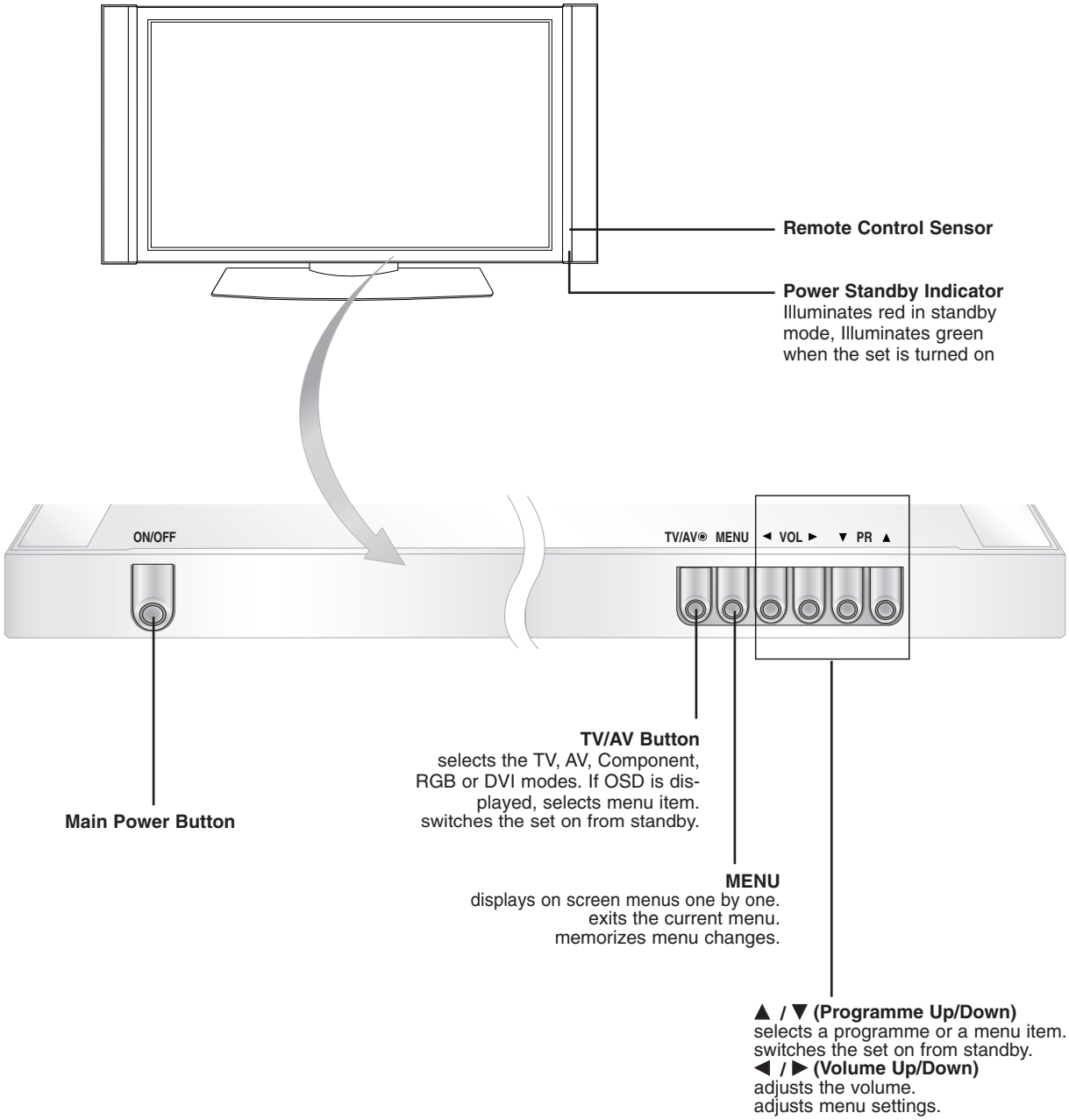
EXIT
clears all on-screen displays and returns to TV viewing from any menu.

SSM (Sound Status Memory)
recalls your preferred sound setting.

DVD BUTTONS
controls a LG DVD player.

I/II
selects the sound output or the audio mode.

<Front Panel Controls>



Remote Control Sensor

Power Standby Indicator
Illuminates red in standby mode, Illuminates green when the set is turned on

Main Power Button

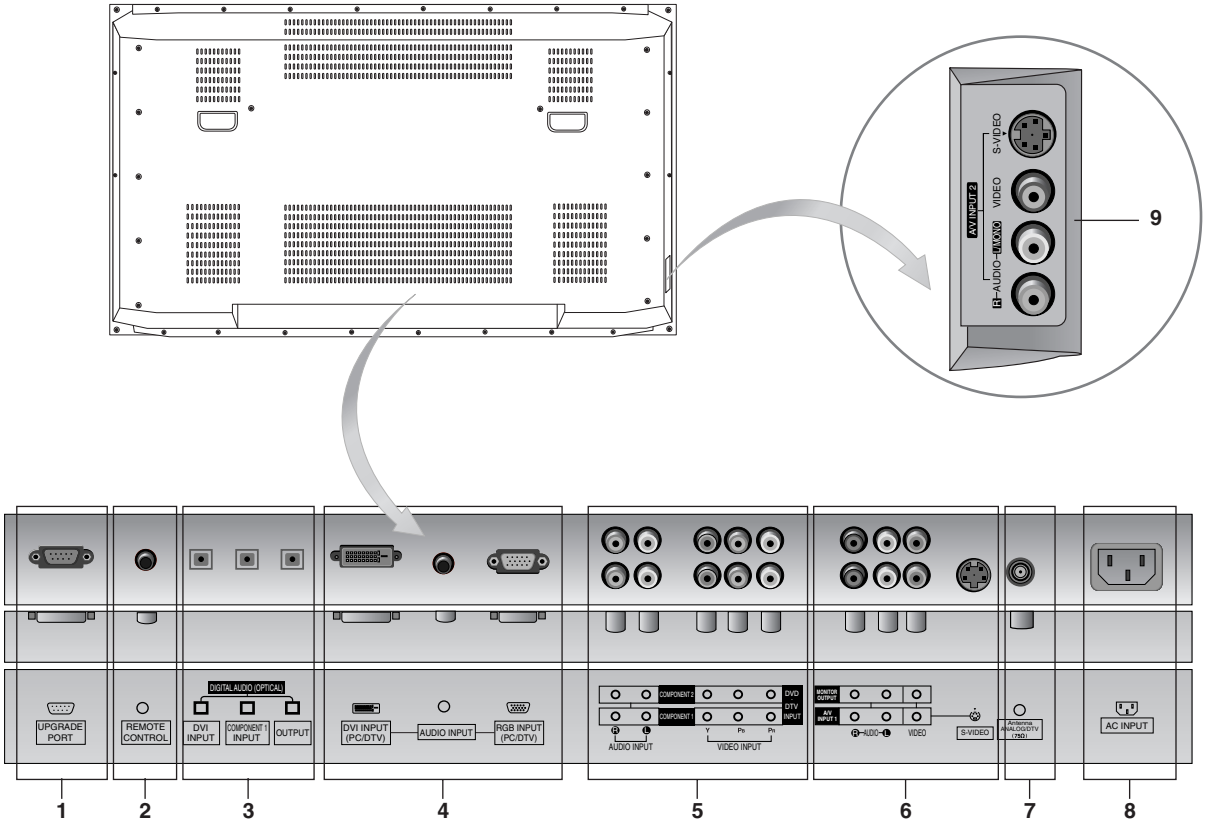
TV/AV Button
selects the TV, AV, Component, RGB or DVI modes. If OSD is displayed, selects menu item.
switches the set on from standby.

MENU
displays on screen menus one by one.
exits the current menu.
memorizes menu changes.

▲ / ▼ (Programme Up/Down)
selects a programme or a menu item.
switches the set on from standby.
◄ / ► (Volume Up/Down)
adjusts the volume.
adjusts menu settings.

- Shown is a simplified representation of the set.
- Here shown may be somewhat different from your set.
- This manual explains the features available on the DT-50PY10 series.

<Back Panel>



1. UPGRADE PORT
This port is used to upgrade the software version and debug without changing the hardware.
Be careful not to use this port. Just contact your dealer or service centre.

2. CONTROL LOCK / REMOTE CONTROL

3. DVI INPUT/COMPONENT 1 INPUT/OUTPUT (DIGITAL AUDIO (OPTICAL))
Connect digital audio from various types of equipment.
Note: *In standby mode, these ports will not work.*

4. DVI INPUT / AUDIO INPUT / RGB INPUT (PC/DTV)
Connect the monitor output socket of the PERSONAL COMPUTER to this socket.
Note: *If you want to use RGB/DVI audio, we strongly recommend that you use the cable that has a core, or the EMI Filter core along with separate cable.*

5. COMPONENT INPUT
Connect DVD video outputs to Y, P_B, P_R of COMPONENT INPUT and audio outputs to Audio sockets of AUDIO INPUT.

6. AUDIO/VIDEO IN SOCKETS (A/V INPUT 1)
Connect the audio/video out sockets of external equipment to these sockets.
S-VIDEO/AUDIO IN SOCKETS
Connect the S-VIDEO out socket of the VCR to the **S-VIDEO** socket.
Connect the audio out sockets of the VCR to the audio sockets as in **A/V INPUT 1**.
AUDIO/VIDEO OUT SOCKETS (MONITOR OUTPUT)

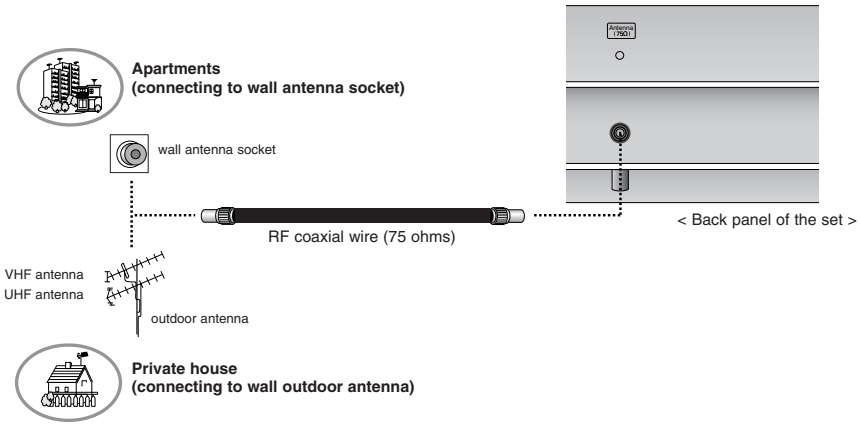
7. ANTENNA INPUT

8. POWER CORD SOCKET
This Monitor operates on an AC power. The voltage is indicated on the Specifications page. Never attempt to operate the Monitor on DC power.

9. AUDIO/VIDEO IN SOCKETS (A/V INPUT 2)
S-VIDEO/AUDIO IN SOCKETS

Antenna Connection

- Be careful for the bronze wire not to be bended in connecting to antenna input port.



Watching VCR

- When connecting the Monitor to external equipment, match the colours of connecting ports (Video - yellow, Audio (L) - white, Audio (R) -red).
- Connect the VIDEO OUTPUT socket (yellow) to the VIDEO INPUT on the set.
- If you have a mono VCR, connect the audio cable from the VCR to the AUDIO (L/MONO) input on the set.
- If you connect an S-VIDEO VCR to the S-VIDEO input, the picture quality is improved; compared to connecting a regular VCR to the Video input.
- Use the orbiter function to Avoid having a fixed image remain on the screen for a long period of time. Typically a frozen still picture from a VCR. (Refer to p. 28)
  If a 4:3 picture format is used; the fixed image may remain visible on the screen.
- To avoid picture noise (interference), leave an adequate distance between the VCR and the set.

Watching TV programmes

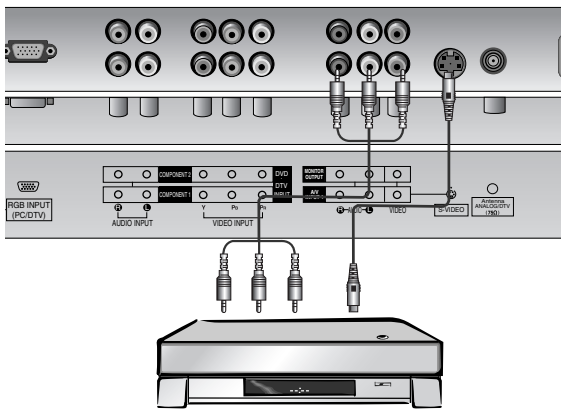
- Turn the set on and select the programme you want.

Watching VCR

1. Use the **TV/AV** button on the remote control to select **VIDEO 1** or **VIDEO 2**.
- If both S-VIDEO and VIDEO sockets have been connected to the S-VHS VCR simultaneously, only the S-VIDEO can be received.

2. Insert a video tape into the VCR and press the **PLAY** button on the VCR.
(See VCR owner's manual)

< Back panel of the set >

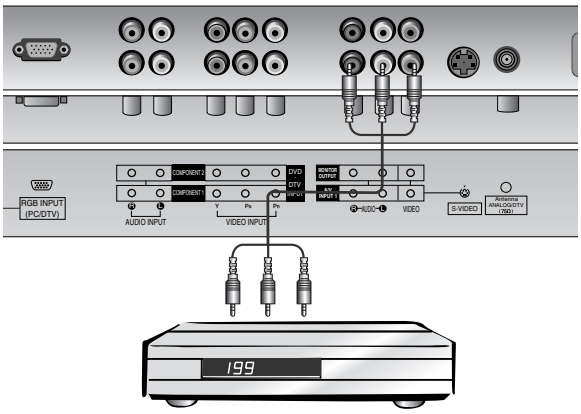


< VCR >

Watching Cable TV

- After subscribing for a local cable TV station and installing a converter you can watch cable TV.
- For further information of cable TV, contact the local cable TV station.

< Back panel of the set >



< Cable box >

To watch cable TV

1. Use the **TV/AV** button on the remote control to select **VIDEO 1** or **VIDEO 2**.
2. Tune to cable service provided channels using the cable box.

Watching DVD

How to connect

1. Connect the DVD video outputs (Y, P_B, P_R) to the COMPONENT (Y, P_B, P_R) INPUT jacks on the set and connect the DVD audio outputs to the AUDIO INPUT jacks on the set, as shown in the figure.
2. If your DVD only has an S-Video output jack, connect this to the S-VIDEO input on the set and connect the DVD audio outputs to the AUDIO INPUT jacks on the set, as shown in the figure.
   Note:
   a. If your DVD player does not have component video output, use S-Video.
   b. Digital Audio will not work for Component 2 input source. Digital Audio operation has priority if Digital Audio and AUDIO L/R are connected at the same time.

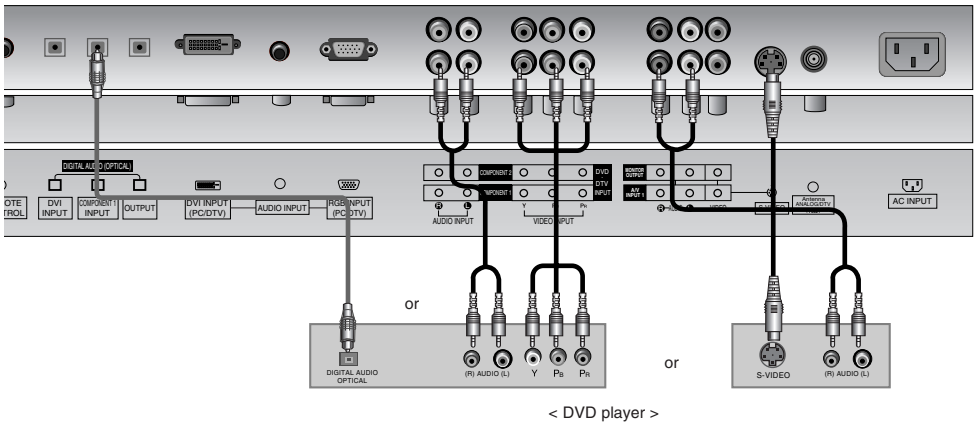
How to use

1. Turn on the DVD player, insert a DVD.
2. Use the **TV/AV** or **MULTIMEDIA** button on the remote control to select **Component 1** or **Component 2**.
   (If connected to S-VIDEO, select the **VIDEO 1** or **VIDEO 2** external input source.)
3. Refer to the DVD player's manual for operating instructions.

- **Component Input ports**
  You can get better picture quality if you connect DVD player with component input ports as below.

Component ports of the set	Y	P_B	P_R
Video output ports of DVD player	Y Y Y Y	Pb B-Y Cb P_B	Pr R-Y Cr P_R

< Back panel of the set >



< DVD player >

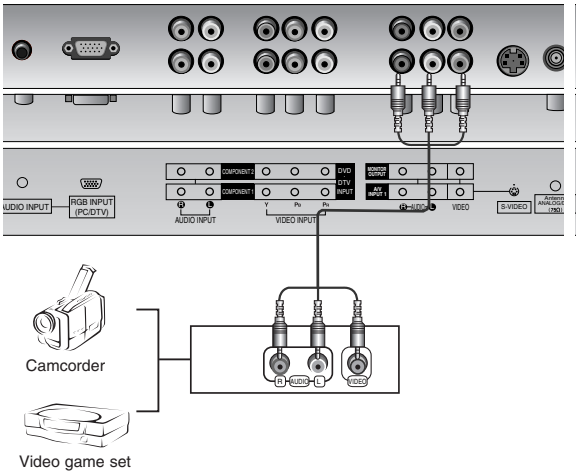
Watching external AV source

- When connecting the set to an external source, match the colours of AUDIO/VIDEO input jacks on the set with the output jacks on the audio/video equipment: Video = yellow, Audio (Left) = white, Audio (Right) = red.

How to use

1. Use the **TV/AV** button on the remote control to select **VIDEO 1** or **VIDEO 2**.
2. Operate the corresponding external equipment. See external equipment operating guide.

< Back panel of the set >



Watching DTV

- This set can receive Digital Over-the-air/Cable signals without an external digital set-top box. However, if you do receive Digital signals from a digital set-top box or other digital external device, refer to the figure as shown below.

How to connect

1. Use the monitor's COMPONENT (Y, P_B, P_R) INPUT, RGB or DVI jack for video connections, depending on your set-top box connector. Then, make the corresponding audio connections.

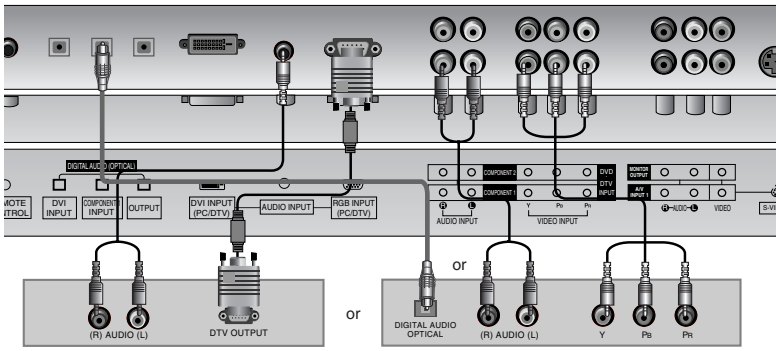
How to use

1. Turn on the digital set-top box. (Refer to the owner's manual for the digital set-top box.)
2. Use **TV/AV** or **MULTIMEDIA** on the remote control to select **Component 1**, **Component 2**, **RGB-DTV** or **DVI-DTV**.

- **DTV Input signal**

Mode \ Terminal	Component	RGB	DVI
480i / 576i	o	x	x
480p / 576p	o	o	o
720p (50/60Hz)	o	o	o
1080i (50/60Hz)	o	o	o

< Back panel of the set >



< Digital Set-top Box >

Connecting PC

How to connect

1. To get the best picture quality, adjust the PC graphics card to 1024x768, 60Hz.
2. Use the set's RGB INPUT or DVI (Digital Visual Interface) INPUT port for video connections, depending on your PC connector. If the graphic card on the PC does not output RGB and DVI simultaneously, connect only one of either RGB INPUT or DVI INPUT to display the PC on the set.
3. Then, make the corresponding audio connections. If using a sound card, adjust the PC sound as required.

How to use

1. Turn on the PC and apply power to the set.
2. Press the **MENU** button and then ▲ / ▼ button to select the SPECIAL menu.
3. Press the ▶ button and then ▲ / ▼ button to select **Main input**.
4. Press the ▶ button and then ▲ / ▼ button to select **RGB-PC**, **RGB-DTV**, **DVI-PC** or **DVI-DTV**.
   PC screen appears on the set.
   The set can be operated as the PC monitor.
5. Check the image on your set. There may be noise associated with the resolution, vertical pattern, contrast or brightness in PC mode. If noise is present, change the PC mode to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the menu until the picture is clear. If the refresh rate of the PC graphic card can not be changed, change the PC graphic card or consult the manufacturer of the PC graphic card.

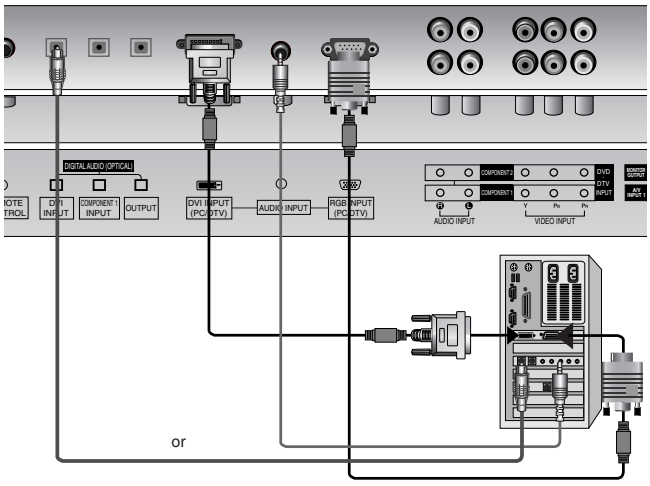
Note:

a. Depending on the graphics card, DOS mode may not work if you use a DVI-D cable.

b. Avoid keeping a fixed image on the TV's screen for a long period of time. The fixed image may become permanently imprinted on the screen.

c. The synchronization input form for Horizontal and Vertical frequencies is separate.

< Back panel of the set >



Displayable Monitor Specification

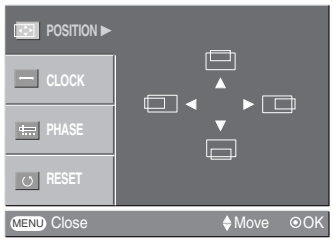
RGB PC / DVI PC mode

Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)
640x350	31.468	70.09
640x480	31.469	59.94
	37.861	72.80
	37.500	75.00
800x600	35.156	56.25
	37.879	60.31
	48.077	72.18
	46.875	75.00
1024x768	48.363	60.00
	56.476	70.06
	60.023	75.02

Screen Adjustments

- This function works in the following mode:
  Component 1, **Component 2**, **RGB-PC**, **RGB-DTV** or **DVI-DTV**

1. Press the **OK** button and then ▲ / ▼ button to select the desired picture item.
2. Press the ▶ button and then ◀ / ▶ or ▲ / ▼ button to make appropriate adjustments.



Position
This function is to adjust picture to left/right and up/down as you prefer.

Phase & Clock (RGB-PC mode only)
This function allows you to remove any horizontal noise and clear or sharpen the image of characters.
To correct the screen size, adjust **Clock**.
• The adjustment range of **Phase** is 0 ~ 31.
• The adjustment range of **Clock** is 0 ~ 32.

Note : *Some signal from some graphics boards may not function properly. If the results are unsatisfactory, adjust your monitor's position, size and phase manually.*

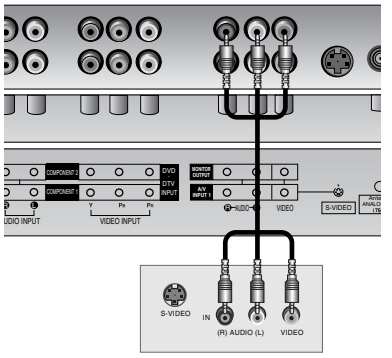
Reset
This function allows you to return to the good picture reproduction programmed at the factory and cannot be changed.

Monitor Out Setup

- The set has a special signal output capability which allows you to hook up a second TV or monitor.
  Connect the second TV or monitor to the set's MONITOR OUTPUT. See the Operating Manual of the second TV or monitor for further details regarding that device's input settings.

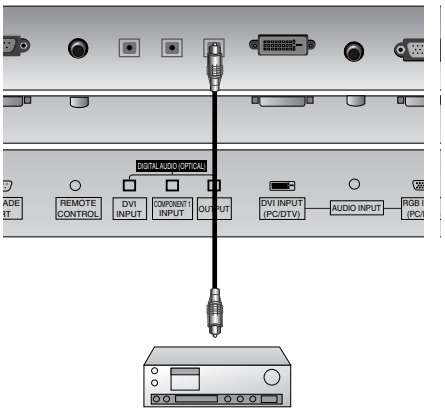
Note: *DTV, Component, RGB-PC/RGB-DTV, DVI-PC/DVI-DTV input sources cannot be used for Monitor out.*

< Back panel of the set >



Digital Audio Output

< Back panel of the set >

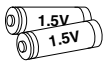


- Send the set's audio to external audio equipment (stereo system) via the Digital Audio Output (Optical) port.
  Caution: Do not look into the optical output port. Looking at the laser beam may damage your vision.

How to connect
1. Connect one end of an optical cable to the TV Digital Audio (Optical) Output port.
2. Connect the other end of the optical cable to the digital audio (optical) input on the audio equipment.
3. Set the " **TV Speaker** option - **Off**" in the AUDIO menu. Refer to page 23.
   See the external audio equipment instruction manual for operation.

Accessories

Owner's Manual



Alkaline batteries

Remote Control handset

Power Cord

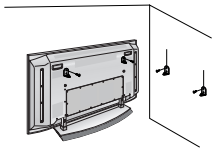
2-TV bracket bolts
(or DT-50PY10 series: 4-TV bracket bolts)
(Only DT-60PY10 series : 6-Wall mounting bracket bolts)

2-TV brackets
2-Wall brackets (option)

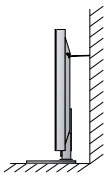
6-RING SPACER
(Only DT-60PY10 series)

Joinning the TV assembly to the wall to protect the set tumbling

- Secure the TV assembly by joinning it to a wall by using the TV/Wall brackets.



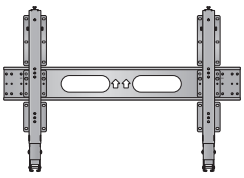
- After the set must be mounted on s desk top, install the TV brackets on the TV as shown.
  Insert the 2 bolts and tighten securely, in the holes on the bracket.
  (Only DT-50PY10 series: After removing the existing bolts, insert the 4 bolts and tighten securely, in the holes on the bracket.)
  Install the wall brackets on the wall with 4 bolts, (not supplied with the product), as shown.
  Match the height of the TV brackets and the wall brackets.
  Check to be sure the brackets are tightened securely.



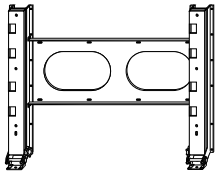
- Secure the TV assembly to the wall with strong strings or wound wire cables, (not supplied with the product), as shown.

Optional Extras

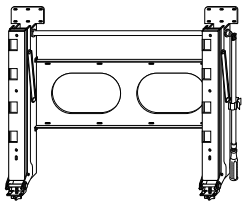
- Optional extras can be changed or modified for quality improvement without any notification new optional extras can be added.
- Contract your dealer for buying these items.



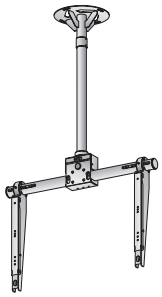
Tilt wall mounting bracket



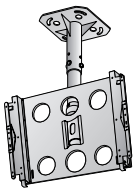
Wall mounting bracket
(Only DT-60PY10 series)



Tilt wall mounting bracket
(Only DT-60PY10 series)



Ceiling mounting bracket



Ceiling mounting bracket

Video cables

Audio cables

SPECIFICATIONS

NOTE : Specifications and others are subject to change without notice for improvement.

■ Application Range

This spec is applied to the 42”, 50”, 60”PDP TV used AF-046A Chassis.

■ Specification

Each part is tested as below without special appointment.

1) Temperature : 25±5°C (77±9°F)
2) Relative Humidity: 65±10%
3) Power Voltage: Standard Input voltage (100-240V~, 50/60Hz)
   * Standard Voltage of each product is marked by models.
4) Specification and performance of each parts are followed each drawing and specification by part number in accordance with BOM.
5) The receiver must be operated for about 20 minutes prior to the adjustment.

■ Test and Inspection Method

1) Performance : LGE TV test method followed.
2) Demanded other specification
   Safety: CB specification
   EMC : CISPR 13 specification

Model Name	Market	Remark
DT-42PY10X DT-50PY10 DT-60PY10	Australia	Safety : IEC60065, EN60065 EMC : CISPR13 Class B

■ General Specification

No	Item	Specification				Remark
		MIN	Typ	Max	Unit	
1	Broadcasting system	PAL-B/G, DTV : DVB-T				
2	Available Channel	VHF : 00~12 UHF : 28~69 CATV : 02~44				
3	Tuner IF	PAL : 38.90MHz DVB-T : 36.167MHz				
4	Input Voltage	240V~, 50Hz				Maker : SONY(42 inch) SONY/Sanken(50 inch) LG(60 inch)
5	PDP Module	PDP42X2xxxx				RGB Closed Type
		PDP50X2xxxx				
		PDP60X5xxxx				
6	Aspect ratio	16:9				
7	Screen Filter	45% Total light transmittance(E-Mesh)				Maker : LG Chemical
8	Operating Temperature	0		40	deg	
9	Operating Humidity			85	%	
10	Storage Temperature	-20		60	deg	
11	Storage Humidity		85	%		

ADJUSTMENT INSTRUCTIONS

1. Application Object

These instructions are applied to all of the PDP TV, AF-046A.

2. Notes

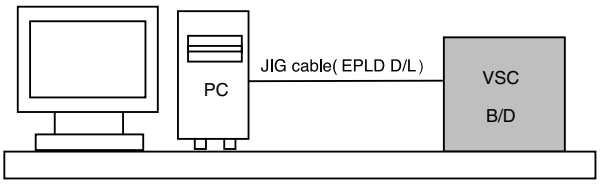
(1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test equipment.
(2) Adjustments must be done in the correct order.
(3) The adjustments must be performed in the circumstance of 25±5°C of temperature and 65±10% of relative humidity if there is no specific designation.
(4) The input voltage of the receiver be must kept 220V, 60Hz when adjusting.
(5) The receiver must be operational for about 15 minutes prior to the adjustments.

- After receiving 100% white pattern, the receiver must be operate prior to adjustment.(Or white condition in HEAT-RUN mode)
- Enter into HEAT-RUN MODE
  - Press the POWER ON KEY on R/C for adjustment. OSD display and screen display 100% full WHITE PATTERN.

※ Set is activated HEAT-RUN without signal generator in this mode.

If you turn on a still screen more than 20 minutes (Especially Digital pattern(13 CH), Cross Hatch Pattern), an afterimage may occur in the black level part of the screen.

3. EPLD Download



<Fig 1> Connection Diagram of EPLD Download

(1) Test Equipment: PC, Jig for download
(2) Connect the power of VSC B/D.
(3) Execute download program of PC.
(4) After executing the hot key on the Programmer, click icon
(5) End after confirming.

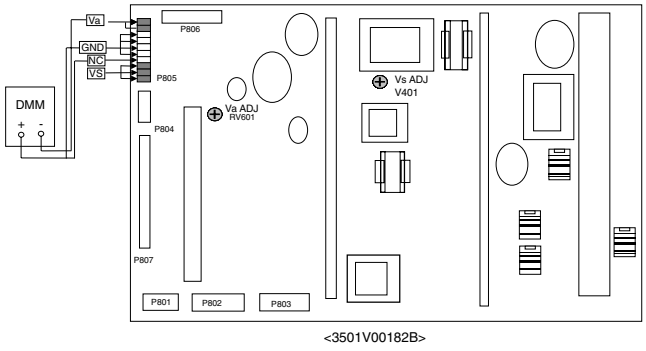
Each PCB Assy must be checked by Check JIG Set before assembly. (Especially, be careful Power PCB Assy which can cause Damage to the PDP Module.)

4. POWER PCB Assy Voltage Adjustment (Va, Vs Voltage Adjustment)

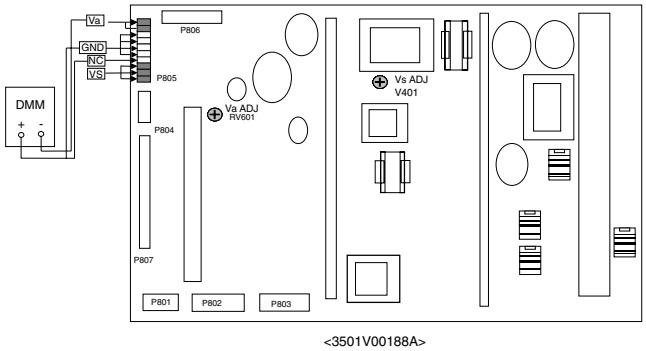
4-1. Test Equipment : D.M.M 1EA

4-2. Connection Diagram for Measuring

Refer to Fig 1.



<3501V00182B>



<3501V00188A>

<Fig. 2-1> Connection Diagram of Power Adjustment for Measuring (Power Board)

(1) Va Adjustment

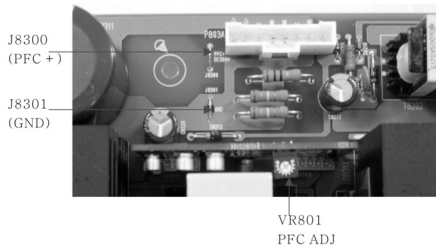
1) After receiving 100% Full White Pattern, Heat-Run(over 10min).
2) Connect + terminal of D.M.M to Va pin of P805 and connect – terminal to GND pin of P805.
3) Adjust RV601 voltage to match that of the label on the Top/Right of the panel. (Deviation : ±0.5V)

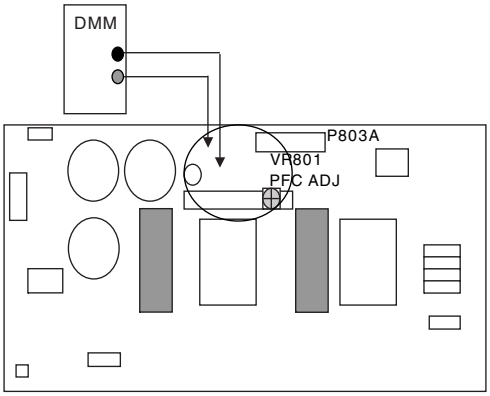
(2) Vs Adjustment

1) Connect + terminal of D.M.M to Vs pin of P805 and connect – terminal to GND pin of P805.
2) Adjust RV401 voltage to match that of the label on the Top/Right of the panel. (Deviation : ±0.5V)

4-3. 60” Model Voltage Adjustment

1) Select 100% Full White Pattern and then Heat-Run.
2) Connect + terminal of D.M.M to RFC + terminal of J8300 and connect – terminal to GND pin of J8301.
3) Adjust V8401 voltage to match 380V(±1V)





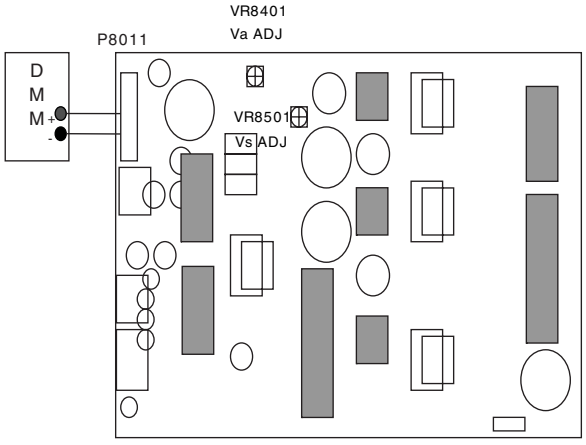
<Fig. 2-2> Connection Diagram of Power Adjustment for Measuring (60 “ Model PFC Board)

(1) Va Adjustment

1) After receiving 100% Full White Pattern, Heat-Run(over 10min).
2) Connect + terminal of D.M.M to Va pin of P8011 and connect – terminal to GND pin of P8011.
3) Adjust VR401 voltage to match that of the label on the Top/Right of the panel. (Deviation : ±0.5V)

(2) Vs Adjustment

1) Connect + terminal of D.M.M to Vs pin of P8011 and connect – terminal to GND pin of P8011.
2) Adjust VR8501 voltage to match that of the label on the Top/Right of the panel. (Deviation : ±0.5V)



<Fig. 2-3> (P/N : 6871VPMA78A) Connection Diagram of Power Adjustment for Measuring (Power Board)

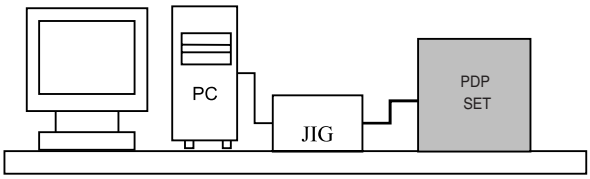
5. EDID(The Extended Display Identification Data)/DDC (Display Data Channel) download

This is the function that enables “Plug and Play".

5-1. Required Test Equipment

1) PC, Jig for adjusting DDC (PC serial to D-sub. Connection equipment)
2) D-Sub to DVI Connector

5-2. Composition of Device



5-3. EDID DATA

- Download only EDID for DVI.

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	01	01	01	01	01	01
10	23	0E	01	03	80	6E	3E	78	0A	31	30	A5	58	3B	B8	26
20	0F	4B	52	2F	CE	00	31	CA	01	01	01	01	01	01	01	01
30	01	01	01	01	01	01	C3	1E	00	20	41	00	20	30	10	60
40	13	00	4C	6C	42	00	00	18	00	00	00	FD	00	37	4E	1E
50	3E	08	00	00	00	00	00	00	00	00	00	00	00	FC	00	4C
60	47	20	54	56	0A	20	20	20	20	20	20	20	00	00	00	01
70	00	00	00	00	00	00	00	00	00	00	00	00	00	00	01	17
80	02	01	04	00	01	1D	00	72	51	D0	1E	20	6E	28	55	00
90	C4	8E	21	00	00	1E	8C	0A	D0	8A	20	E0	2D	10	10	3E
A0	96	00	C4	8E	21	00	00	18	01	1D	80	18	71	1C	16	20
B0	58	2C	25	00	C4	8E	21	00	00	9E	00	00	00	00	00	00
C0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
D0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
E0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
F0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	BF

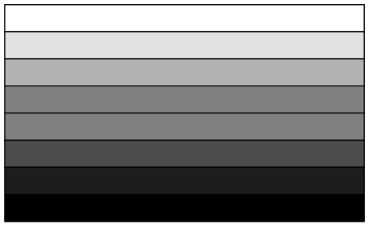
6. AD9883A-Set Adjustment

6-1. Synopsis

AD9883A-Set adjustment to set the black level and the Gain of optimum with an automatic movement from the analog => digital converter.

6-2. Test Equipment

Service R/C, 801GF(802B, 802F, 802R) or MSPG3240A Pattern Generator
(720P 60Hz 100% Color Bar Pattern output will be possible and the output level will accurately have to be revised with 0.7±0.1Vp-p)



<Fig. 3> Adjustment Pattern : 720P 60Hz Color Bar Pattern

6-3. Adjustment

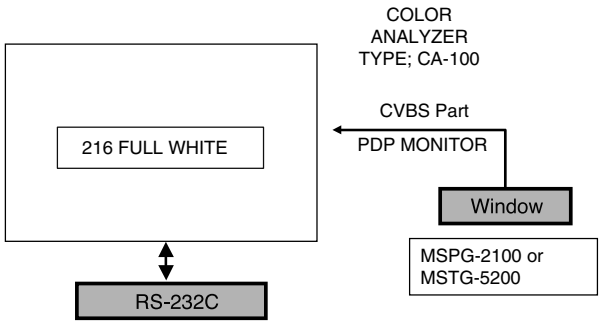
(1) Input the color Bar Pattern of the 720P 60Hz Mode in the Component INPUT and the select the Input Mode as Component2.
(2) After receiving signal for at least 1 second, press the ADJ Key on the Service R/C to enter the 'Ez - Adjust' and select the '1. AD9883A-Set'.
Pressing the Vol + Key to adjust with automatic movement.
(3) When the adjustment is over, 'Adjustment completed (Press OK)' is displayed. If the adjustment has errors, 'AD9883A-Failed! Try Again' is displayed.
(4) Readjust after confirming the case Pattern or adjustment condition where the adjustment errors.
(5) After adjustment is complete, exit the adjustment mode by pressing the ADJ KEY.

7. Adjustment of White Balance

7-1. Required Equipment

(1) Color analyzer (CA-100 or similar product)
(2) Automatic adjustor (with automatic adjustment hour necessity and the RS-232C communication being possible)
(3) AV Pattern Generator

7-2. Connection Diagram of Equipment for Measuring (Automatic Adjustment)



<Fig. 4> Connection Diagram of Automatic Adjustment

⁕. RS-232C Command (Automatic Adjustment)

	RS-232C Command [CMD ID DATA]	MIN	CENTER (DEFAULT)	MAX
R Gain	ja 00 XX	00	7f	ff
G Gain	jb 00 XX	00	7f(Fix.)	ff
B Gain	jc 00 XX	00	7f	ff
R Cut	lj 00 XX	00	3f(Fix.)	7f
G Cut	lk 00 XX	00	3f	7f
B Cut	ll 00 XX	00	3f	7f

7-3. Adjustment of White Balance(manual)

● Operate the Zero-calibration of the CA-100, then attach sensor to PDP module surface when you adjust.
● Manual adjustment is also possible by the following sequence.

(1) Enter '3.White-Pattern' by pressing ADJ KEY on the Service Remote Control.
(2) Select "Test Pattern White" using Vol +/- Key and HEAT RUN at least 15 minutes by pressing the ENTER Key.
(3) Receive the AV 50Hz, Full size, 216 Gray window pattern signal from AV Pattern Generator.
Input mode : DT-42PY10X : AV2
DT-50PY10 : AV1
DT-60PY10 : AV1
(4) Select the Screen Adjustment as 'Dynamic'.
(5) After attaching sensor to center of screen, select '2. White-Balance' of 'Ez - Adjust' by pressing the ADJ KEY on the Service R/C. Then enter adjustment mode by pressing the Right KEY (▶) .
(6) Adjust the High Light using R Gain/B Gain.
(7) Adjust using Volume +/- KEY.(G Gain: 127)

DT-42PY10X : R Offset : 50/ B Offset : 48/ B Offset: 50
DT-50PY10 : R Offset : 52/ B Offset : 45/ B Offset: 60
DT-60PY10 : R Offset : 55/ B Offset : 50/ B Offset: 55

X; 0.290±0.003
Y; 0.290±0.003

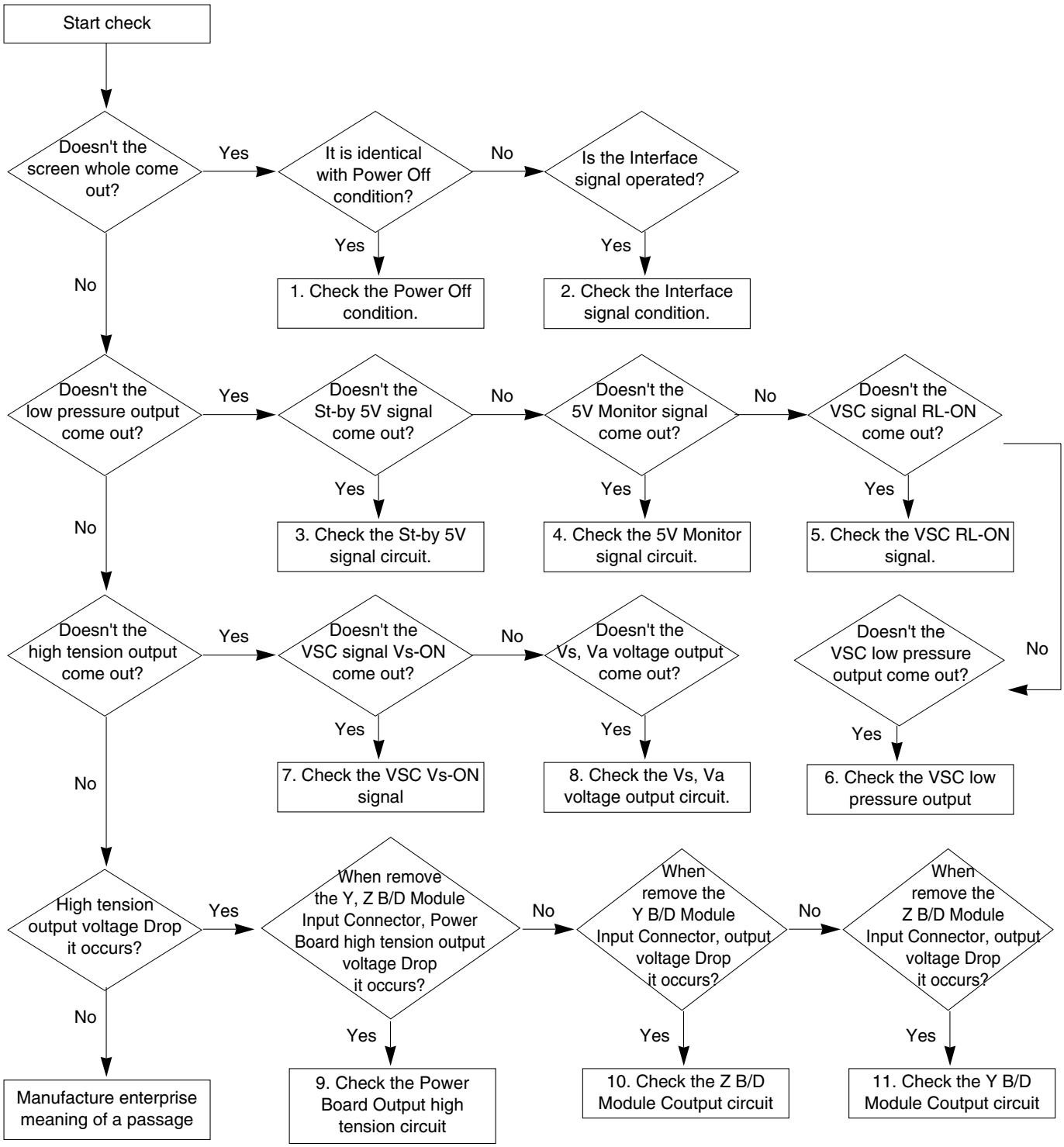
Color temperature: 9,000°K±500°K

(7) After adjustment is complete, move to Ez - Adjust screen by pressing the ENTER(■) KEY. Then exit the adjustment mode by press ADJ KEY.

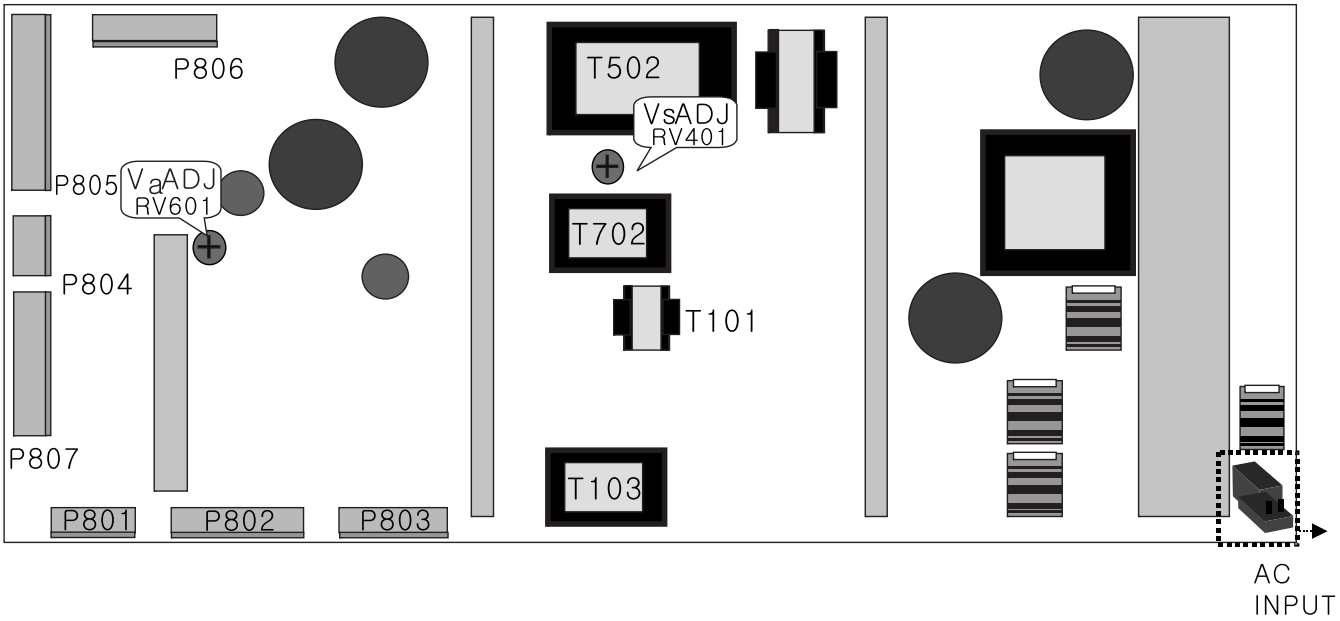
TROUBLE SHOOTING GUIDE

1. Power Board

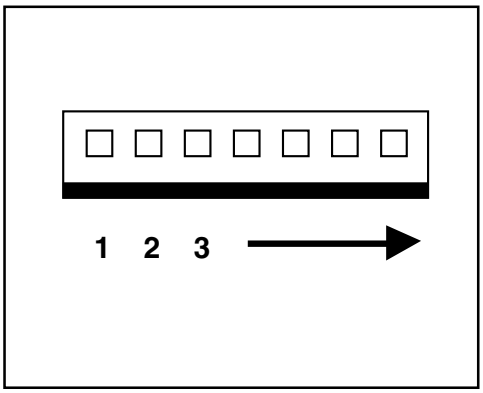
1-1. The whole flowchart which it follows in voltage output state


Start check
Doesn't the screen whole come out?
Yes
It is identical with Power Off condition?
No
Is the Interface signal operated?
Yes
1. Check the Power Off condition.
Yes
2. Check the Interface signal condition.
No
Doesn't the low pressure output come out?
Yes
Doesn't the St-by 5V signal come out?
No
Doesn't the 5V Monitor signal come out?
No
Doesn't the VSC signal RL-ON come out?
Yes
3. Check the St-by 5V signal circuit.
Yes
4. Check the 5V Monitor signal circuit.
Yes
5. Check the VSC RL-ON signal.
No
Doesn't the high tension output come out?
Yes
Doesn't the VSC signal Vs-ON come out?
No
Doesn't the Vs, Va voltage output come out?
Doesn't the VSC low pressure output come out?
No
Yes
7. Check the VSC Vs-ON signal
Yes
8. Check the Vs, Va voltage output circuit.
Yes
6. Check the VSC low pressure output
No
High tension output voltage Drop it occurs?
Yes
When remove the Y, Z B/D Module Input Connector, Power Board high tension output voltage Drop it occurs?
No
When remove the Y B/D Module Input Connector, output voltage Drop it occurs?
No
When remove the Z B/D Module Input Connector, output voltage Drop it occurs?
No
Manufacture enterprise meaning of a passage
Yes
9. Check the Power Board Output high tension circuit
Yes
10. Check the Z B/D Module Coutput circuit
Yes
11. Check the Y B/D Module Coutput circuit

1-2. DT-42PY10X Sony Power Board Structure



PIN No	1	2	3	4	5	6	7	8	9	10	11	12
P801	POD	5V-MNT	VS-ON	GND	STBY5V	RL-ON	A-ON					
P802	GND	GND	12V	12V	GND	GND	6V	6V	GND	GND	3.4V	3.4V
P803	GND	12V	GND	3.4V	GND	6V	GND	GND	19V	19V		
P804	GND	GND	5V	5V								
P805	Vs	Vs	Vs	NC	GND	GND	GND	GND	Va	Va		
P806	5V	GND	Va	GND	GND	NC	Vs	Vs				
P807	5V	5V	5V	5V	GND	GND	GND	GND				



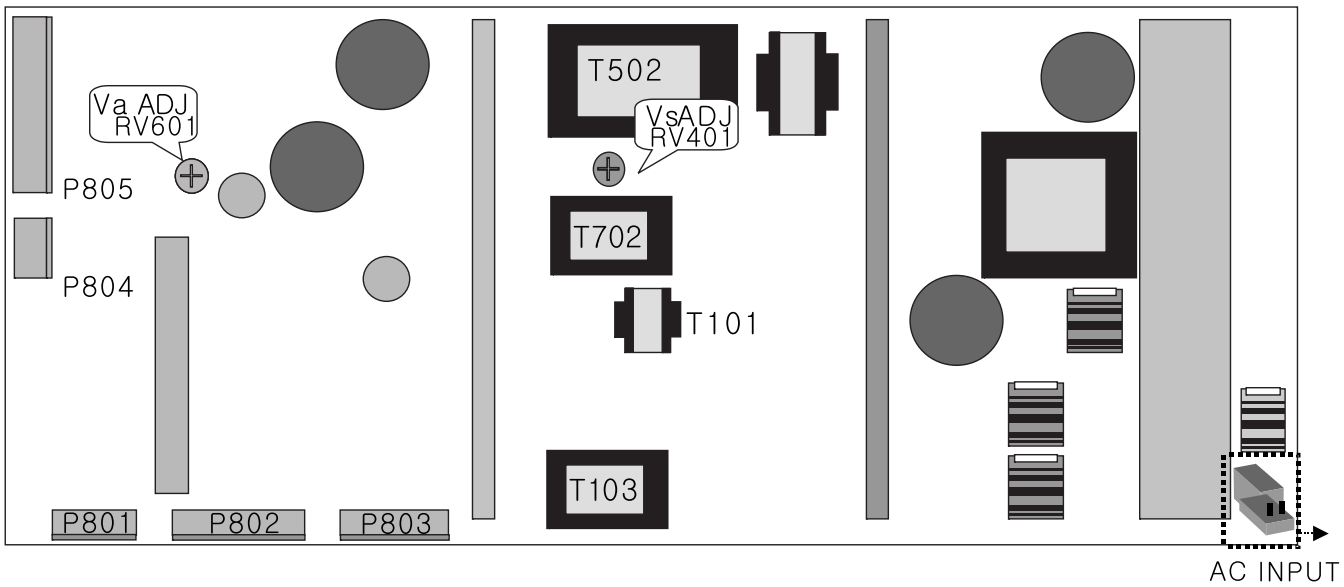
T502: Vs Trans

T702: Va Trans

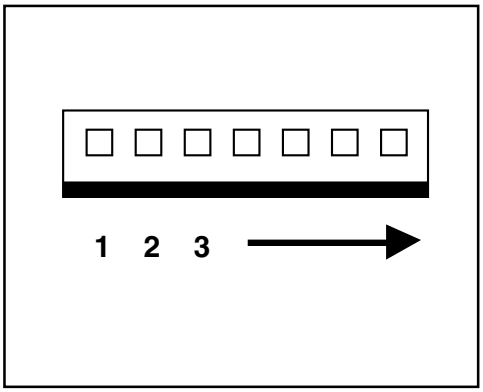
T101: St-by Trans

T103: Low Voltage Trans

1-3. DT-50PY10 Sony Power Board Structure



PIN No	1	2	3	4	5	6	7	8	9	10	11	12
P801	POD	5V-MNT	VS-ON	GND	STBY5V	RL-ON	A-ON					
P802	GND	GND	12V	12V	GND	GND	6V	6V	GND	GND	3.4V	3.4V
P803	GND	12V	GND	3.4V	GND	6V	GND	GND	19V	19V		
P804	GND	GND	5V	5V								
P805	Vs	Vs	Vs	NC	GND	GND	GND	GND	Va	Va		



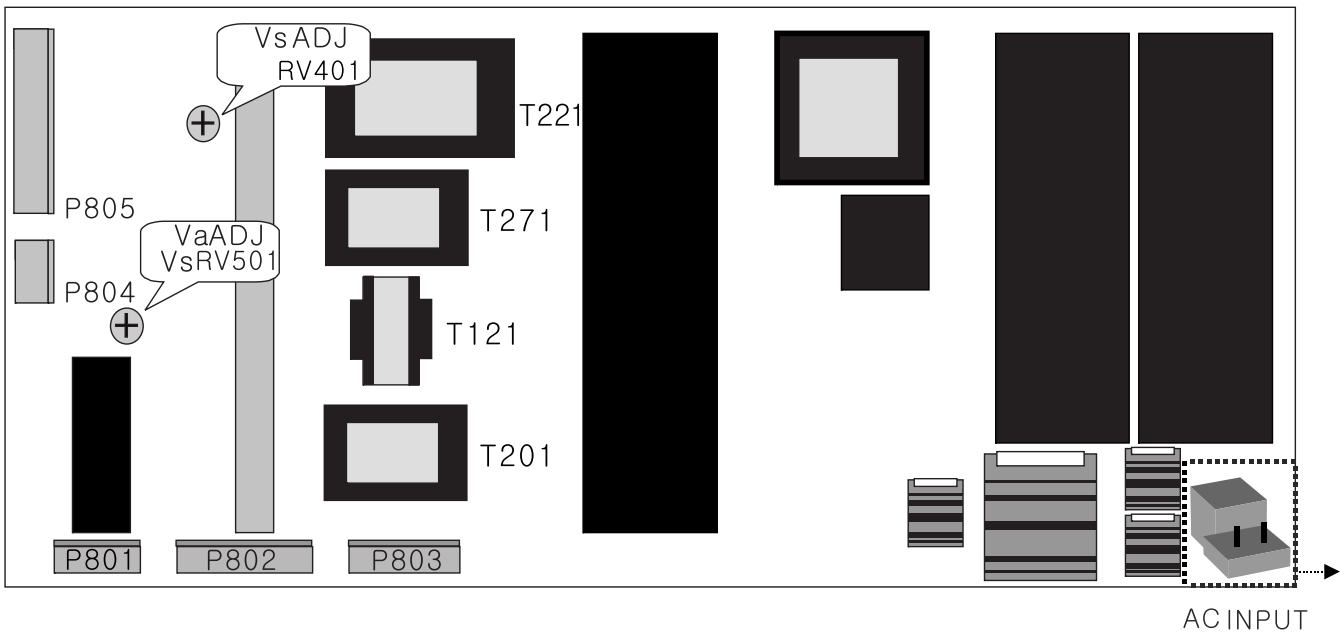
T502 : Vs Trans

T702 : Va Trans

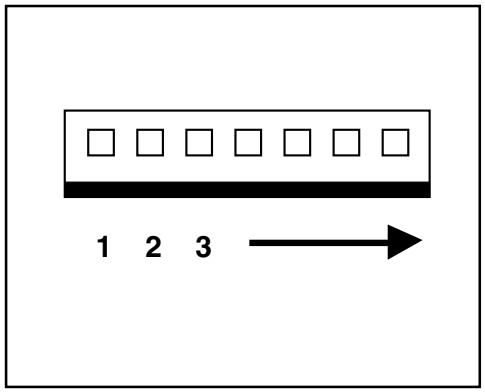
T101 : St-by Trans

T103 : Low Voltage Trans

1-3. DT-50PY10 Sanken Power Board Structure



PIN No	1	2	3	4	5	6	7	8	9	10	11	12
P801	POD	5V-MNT	VS-ON	GND	STBY5V	RL-ON	A-ON					
P802	GND	GND	12V	12V	GND	GND	6V	6V	GND	GND	3.4V	3.4V
P803	GND	12V	GND	3.4V	GND	6V	GND	GND	19V	19V		
P804	GND	GND	5V	5V								
P805	Vs	Vs	Vs	NC	GND	GND	GND	GND	Va	Va		



T221 : Vs Trans

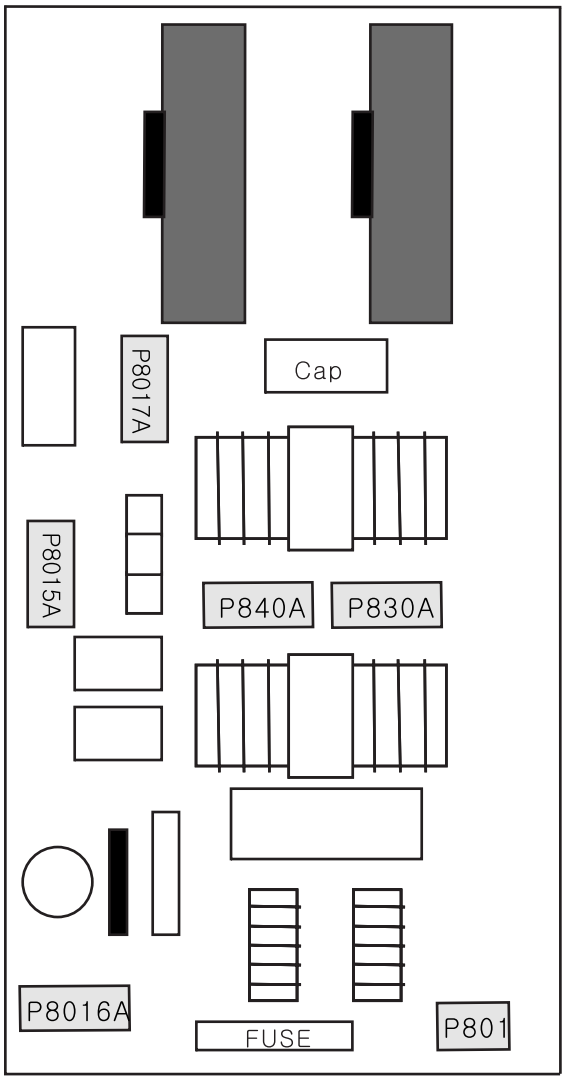
T271 : Va Trans

T121 : St-by Trans

T201 : Low Voltage Trans

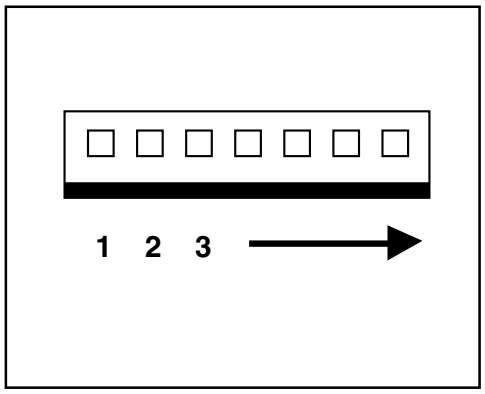
1-4. DT-60PY10 Power Board Structure

AC-IN

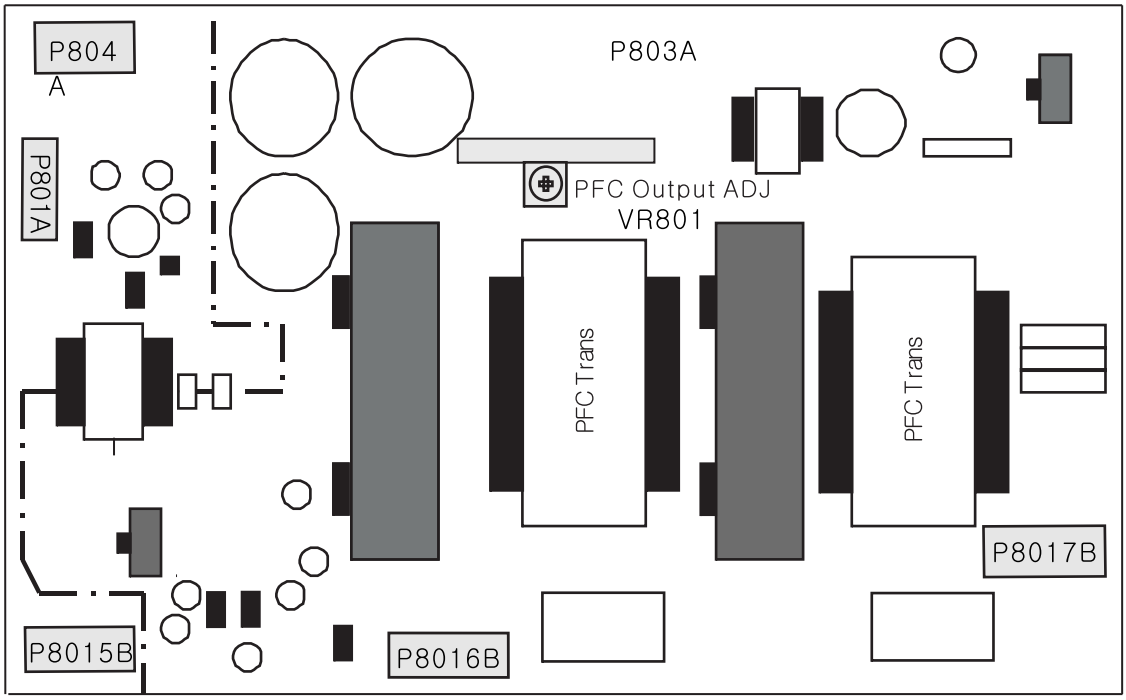


PIN ASSIGN

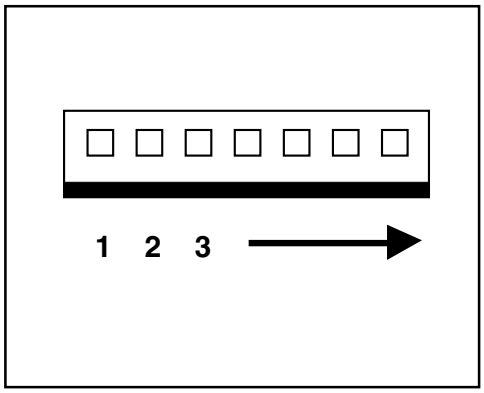
PIN No	1	2	3	4
P801	AC INPUT			
P830A	TO MAIN POWER S/W			
P840A	TO MAIN POWER S/W			
P8015A	12V	Rush ctrl	Power ctrl	
P8016A	ST-BY B-		AC-DET	ST-BY B+
P8017A	PFC B-			PFCB+



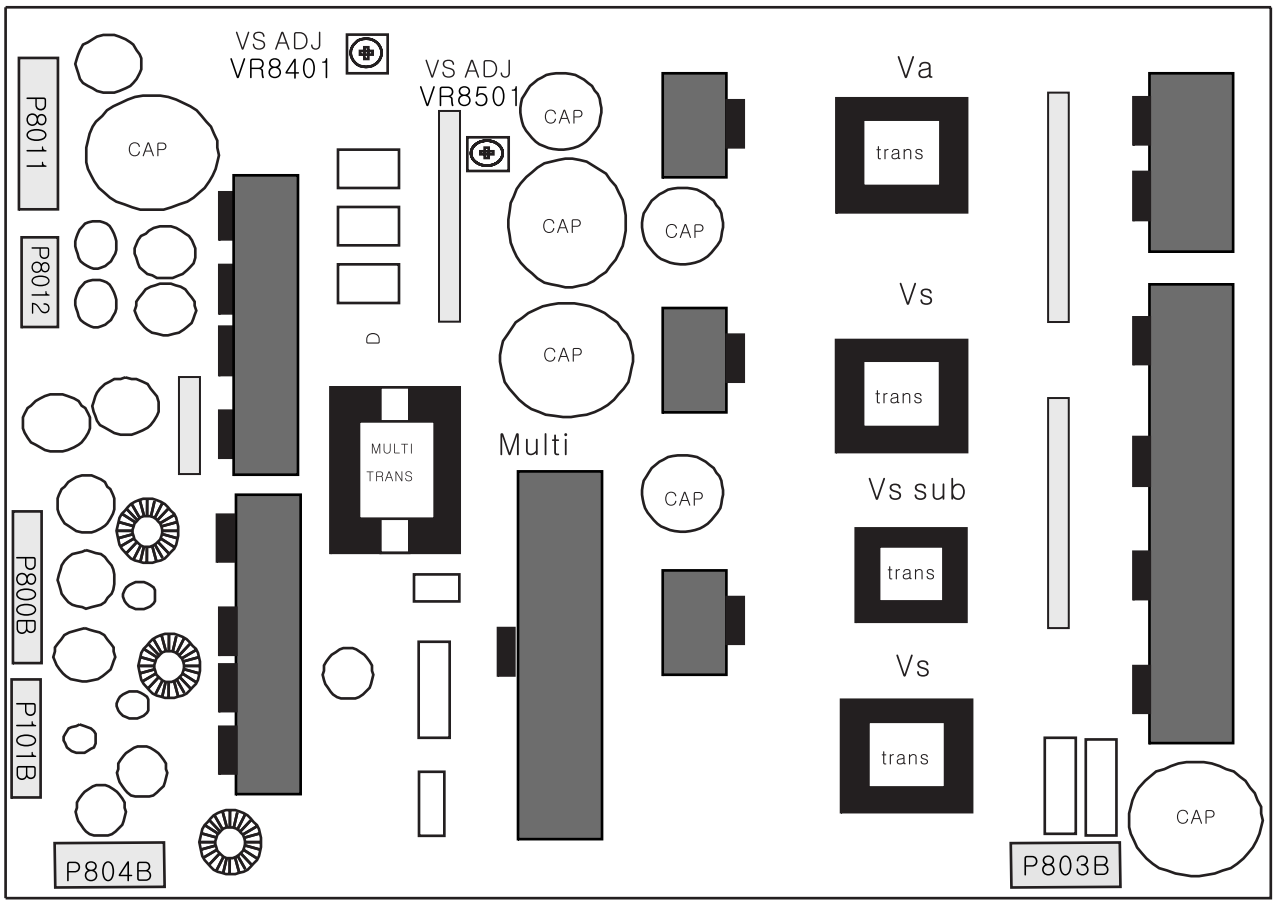
PFC



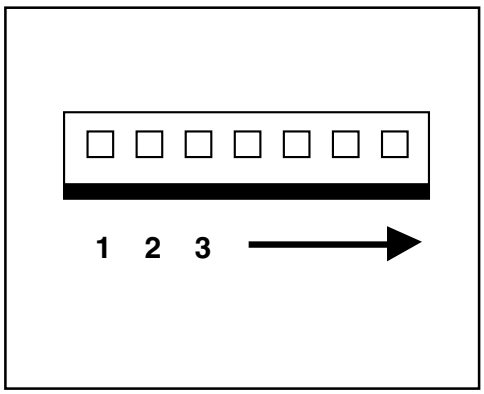
PIN No	1	2	3	4	5	6	7	8
P801A	POD	5V MNT	VSON	GND	ST 5V	P-CTL	AC-ON	
P803A	PFC+	PFC+	NC	GND	GND	NC	GND	18V
P804A	VSON	RUSH	GND	POD	5V MNT			
P8015B	12V	RUSH	P-CTL					
P8016B	ST-BYB-		ST-BY B+	ST-BY B+				
P8017B	PFC B-			PFC B+				



DC-DC



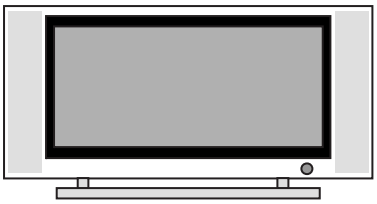
PIN No	1	2	3	4	5	6	7	8	9	10	11	12
P800B	GN	GN	12V	12V	GN	GN	6V	6V	GN	GN	3.4V	3.4V
P8011	VS	VS	VS	NC	GN	GN	GN	GN	VA	VA		
P8012	GN	GN	5V	5V								
P101B	GN	12V	GN	3.4V	GN	6V	GN	GN	19V	19V		
P804B	VSON	RUSH	GND	POD	5VMONI							
P803B	PFC+	PFC+	NC	GN	GN	PFCOK	GN	16V				



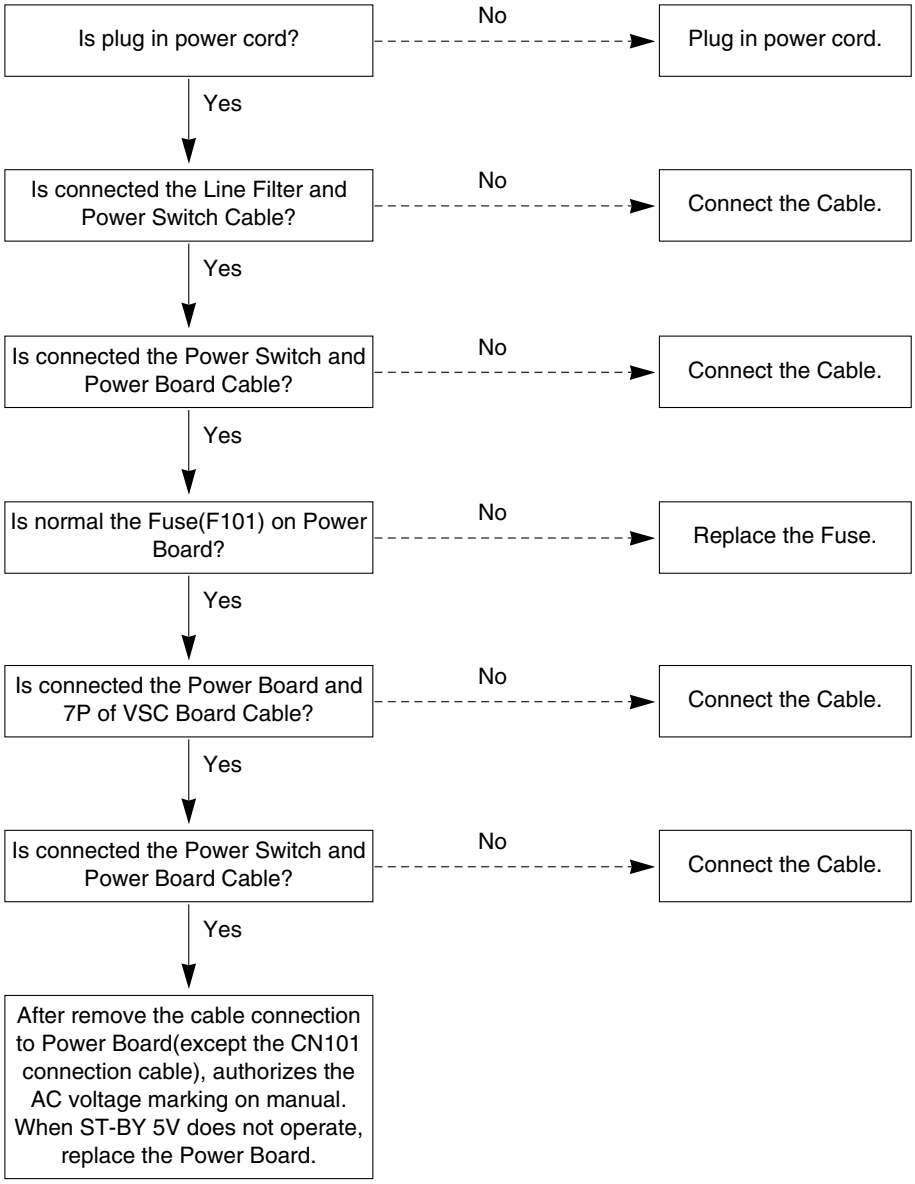
2. No Power

(1) Symptom

- Does't minute discharge at module.
- Non does not come in into the front LED.



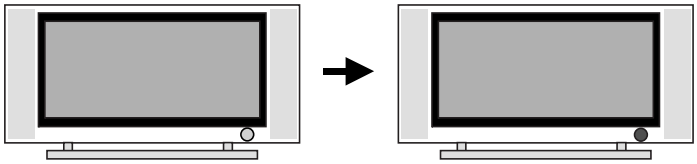
(2) Check follow


Is plug in power cord?
No
Plug in power cord.
Yes
Is connected the Line Filter and Power Switch Cable?
No
Connect the Cable.
Yes
Is connected the Power Switch and Power Board Cable?
No
Connect the Cable.
Yes
Is normal the Fuse(F101) on Power Board?
No
Replace the Fuse.
Yes
Is connected the Power Board and 7P of VSC Board Cable?
No
Connect the Cable.
Yes
Is connected the Power Switch and Power Board Cable?
No
Connect the Cable.
Yes
After remove the cable connection to Power Board(except the CN101 connection cable), authorizes the AC voltage marking on manual. When ST-BY 5V does not operate, replace the Power Board.

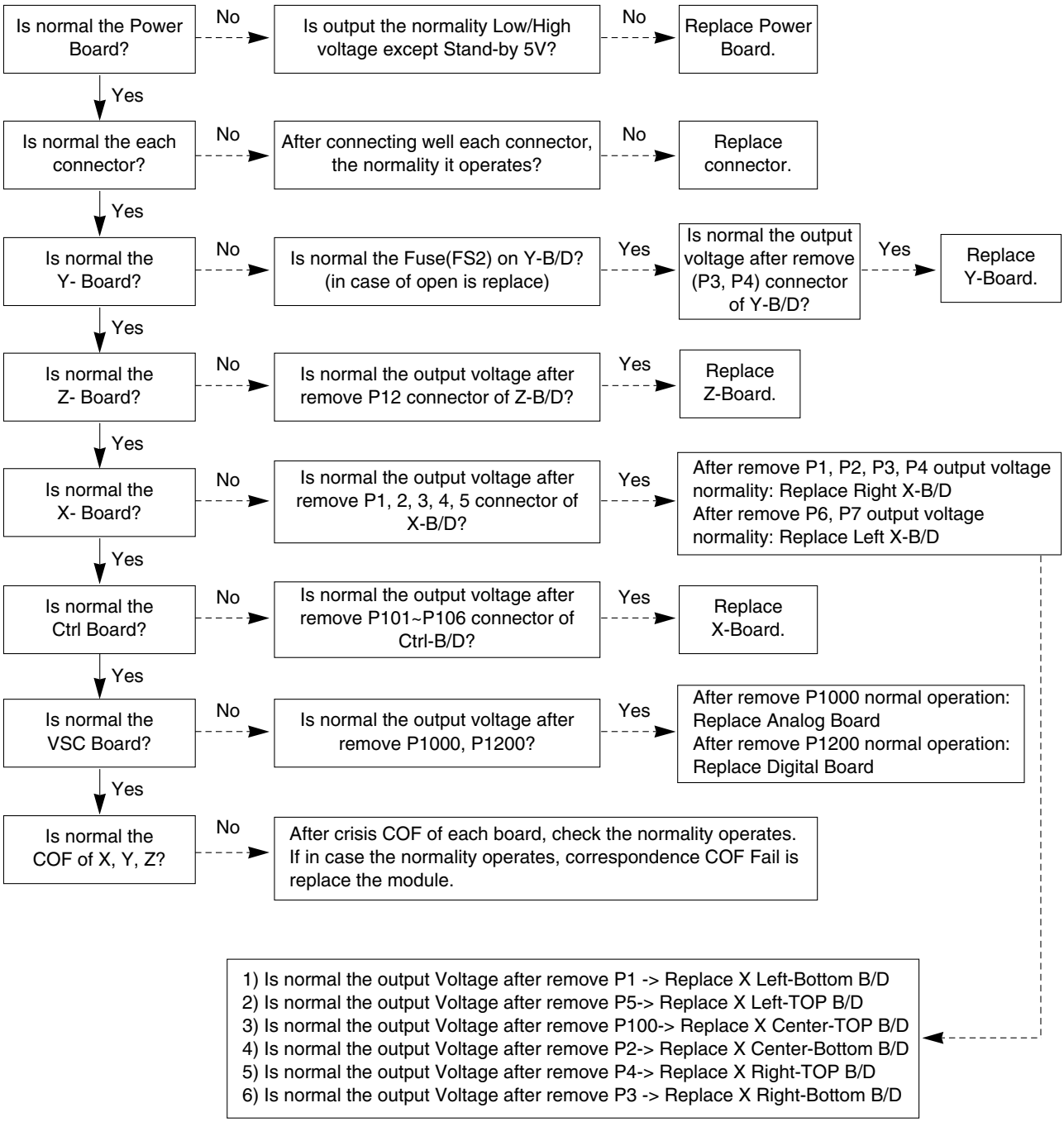
3. Protect Mode

(1) Symptom

- After once shining, it does not discharge minutely from module
- The Rely falls(The sound is audible “click”)
- It is converted with the color where the front LED is red from green.



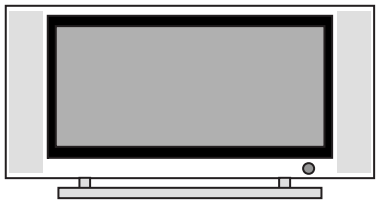
(2) Check follow


Is normal the Power Board?
No
Is output the normality Low/High voltage except Stand-by 5V?
No
Replace Power Board.
Yes
Is normal the each connector?
No
After connecting well each connector, the normality it operates?
No
Replace connector.
Yes
Is normal the Y- Board?
No
Is normal the Fuse(FS2) on Y-B/D? (in case of open is replace)
Yes
Is normal the output voltage after remove (P3, P4) connector of Y-B/D?
Yes
Replace Y-Board.
Yes
Is normal the Z- Board?
No
Is normal the output voltage after remove P12 connector of Z-B/D?
Yes
Replace Z-Board.
Yes
Is normal the X- Board?
No
Is normal the output voltage after remove P1, 2, 3, 4, 5 connector of X-B/D?
Yes
After remove P1, P2, P3, P4 output voltage normality: Replace Right X-B/D
After remove P6, P7 output voltage normality: Replace Left X-B/D
Yes
Is normal the Ctrl Board?
No
Is normal the output voltage after remove P101~P106 connector of Ctrl-B/D?
Yes
Replace X-Board.
Yes
Is normal the VSC Board?
No
Is normal the output voltage after remove P1000, P1200?
Yes
After remove P1000 normal operation: Replace Analog Board
After remove P1200 normal operation: Replace Digital Board
Yes
Is normal the COF of X, Y, Z?
No
After crisis COF of each board, check the normality operates. If in case the normality operates, correspondence COF Fail is replace the module.
1) Is normal the output Voltage after remove P1 -> Replace X Left-Bottom B/D
2) Is normal the output Voltage after remove P5-> Replace X Left-TOP B/D
3) Is normal the output Voltage after remove P100-> Replace X Center-TOP B/D
4) Is normal the output Voltage after remove P2-> Replace X Center-Bottom B/D
5) Is normal the output Voltage after remove P4-> Replace X Right-TOP B/D
6) Is normal the output Voltage after remove P3 -> Replace X Right-Bottom B/D

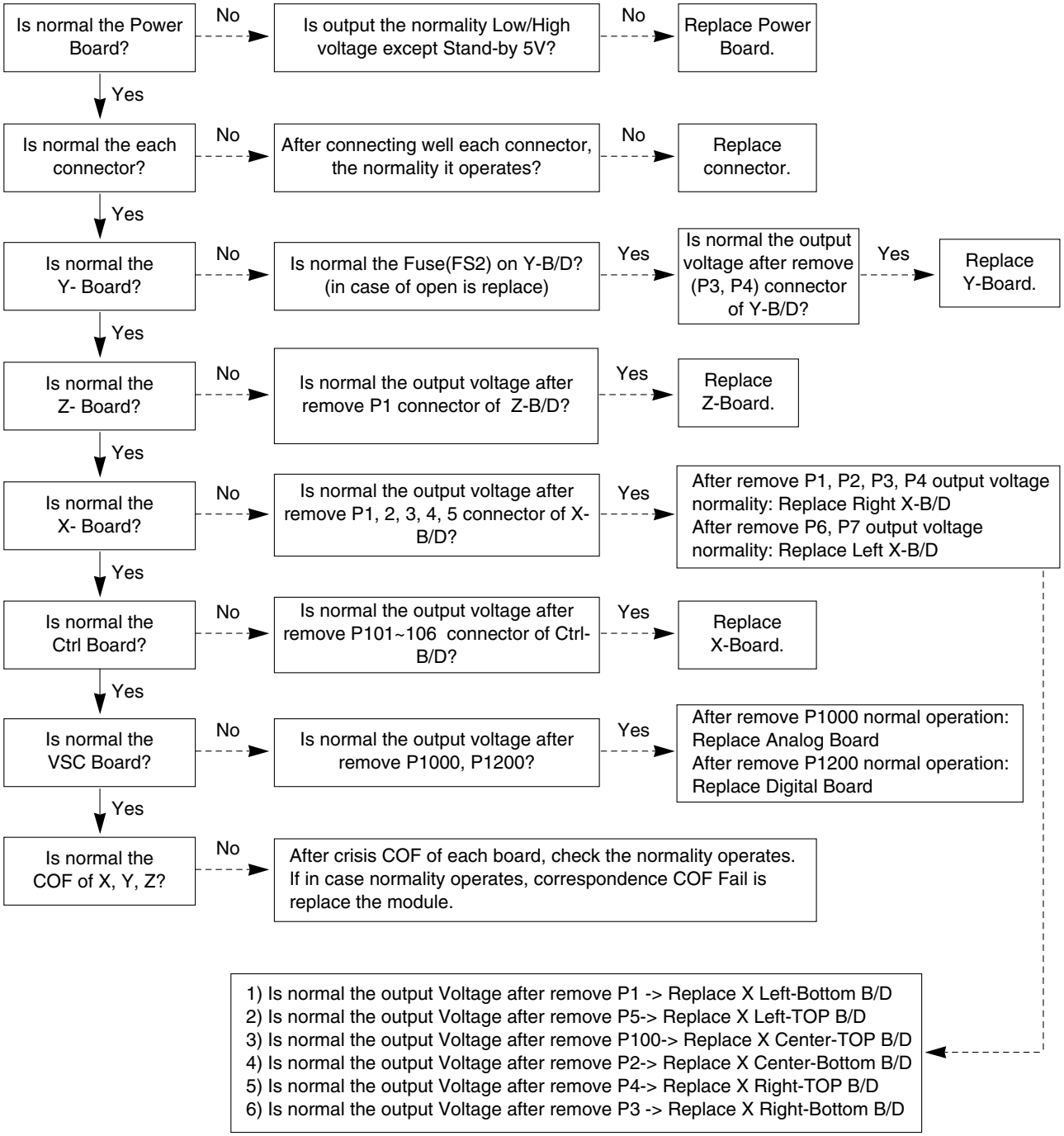
4. No Raster

(1) Symptom

- Does't minute discharge at module.
- It maintains the condition where the front LED is green.



(2) Check follow

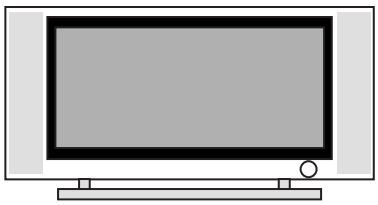

Is normal the Power Board?
No
Is output the normality Low/High voltage except Stand-by 5V?
No
Replace Power Board.
Yes
Is normal the each connector?
No
After connecting well each connector, the normality it operates?
No
Replace connector.
Yes
Is normal the Y- Board?
No
Is normal the Fuse(FS2) on Y-B/D? (in case of open is replace)
Yes
Is normal the output voltage after remove (P3, P4) connector of Y-B/D?
Yes
Replace Y-Board.
Yes
Is normal the Z- Board?
No
Is normal the output voltage after remove P1 connector of Z-B/D?
Yes
Replace Z-Board.
Yes
Is normal the X- Board?
No
Is normal the output voltage after remove P1, 2, 3, 4, 5 connector of X-B/D?
Yes
After remove P1, P2, P3, P4 output voltage normality: Replace Right X-B/D
After remove P6, P7 output voltage normality: Replace Left X-B/D
Yes
Is normal the Ctrl Board?
No
Is normal the output voltage after remove P101~106 connector of Ctrl-B/D?
Yes
Replace X-Board.
Yes
Is normal the VSC Board?
No
Is normal the output voltage after remove P1000, P1200?
Yes
After remove P1000 normal operation: Replace Analog Board
After remove P1200 normal operation: Replace Digital Board
Yes
Is normal the COF of X, Y, Z?
No
After crisis COF of each board, check the normality operates. If in case normality operates, correspondence COF Fail is replace the module.
1) Is normal the output Voltage after remove P1 -> Replace X Left-Bottom B/D
2) Is normal the output Voltage after remove P5-> Replace X Left-TOP B/D
3) Is normal the output Voltage after remove P100-> Replace X Center-TOP B/D
4) Is normal the output Voltage after remove P2-> Replace X Center-Bottom B/D
5) Is normal the output Voltage after remove P4-> Replace X Right-TOP B/D
6) Is normal the output Voltage after remove P3 -> Replace X Right-Bottom B/D

5. In case of occur strange screen into specific mode

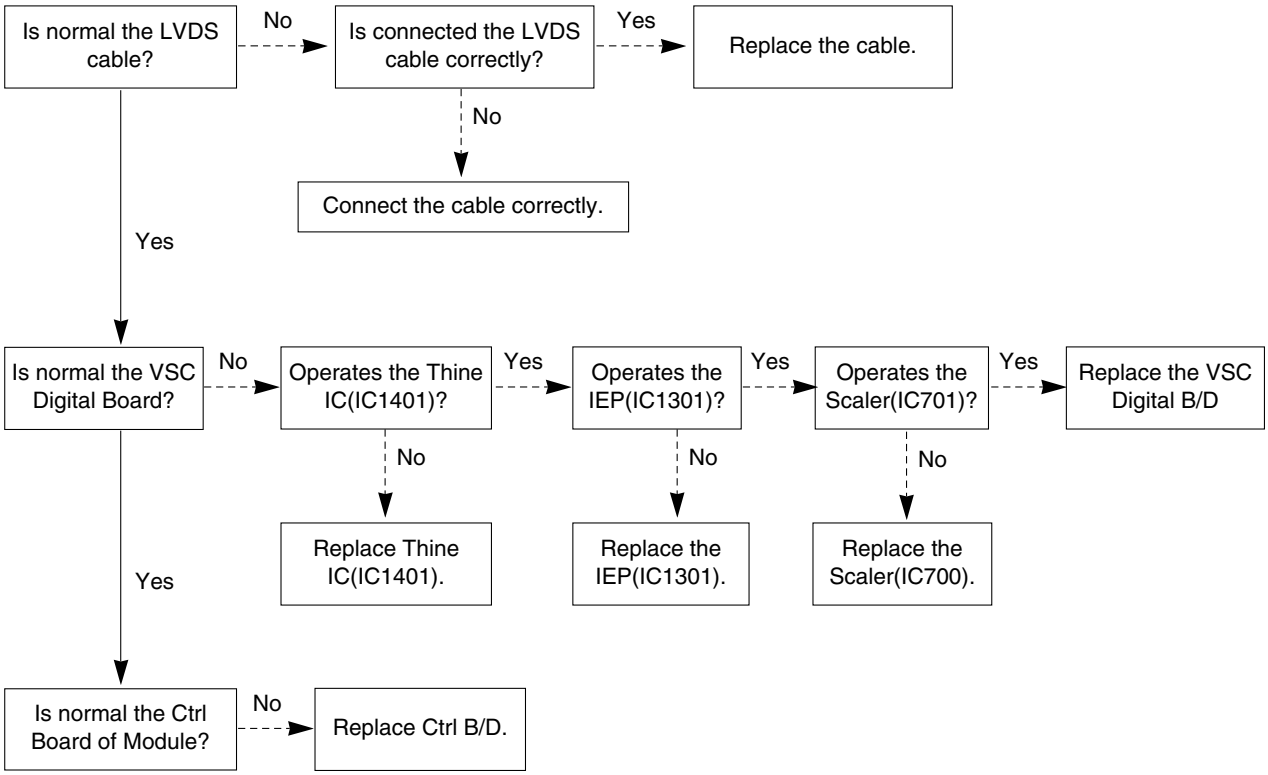
5-1. In case of does't display the OSD

(1) Symptom

- LED is green
- The minute discharge continuously becomes accomplished from module



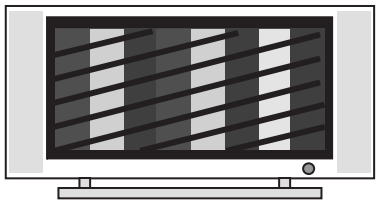
(2) Check follow



5-2. In case of does't display the screen into specific mode

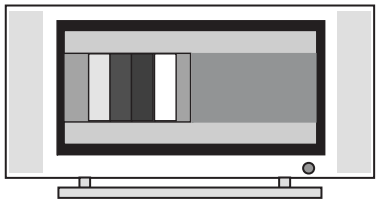
(1) Symptom

- The screen does not become the display from specific input mode

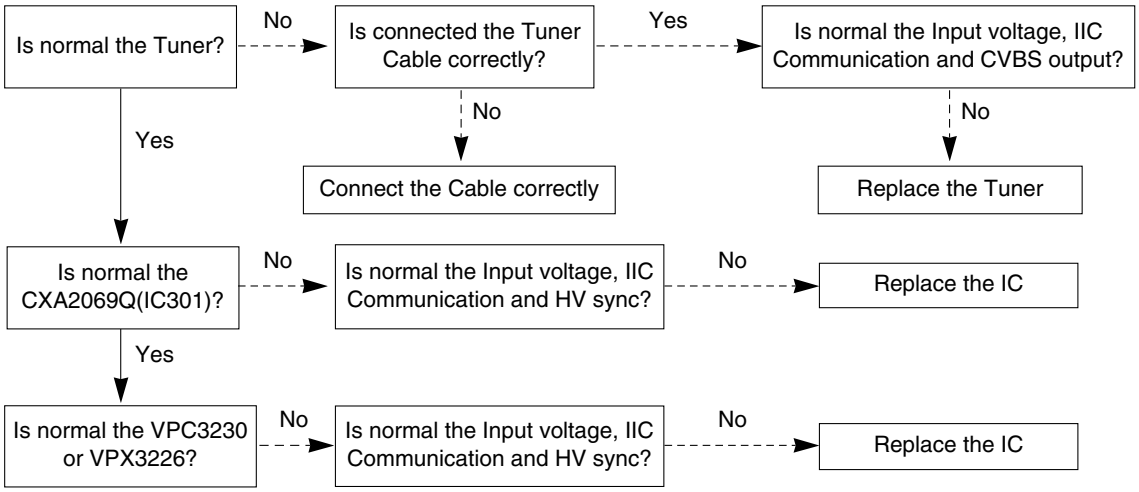


(2) Check follow

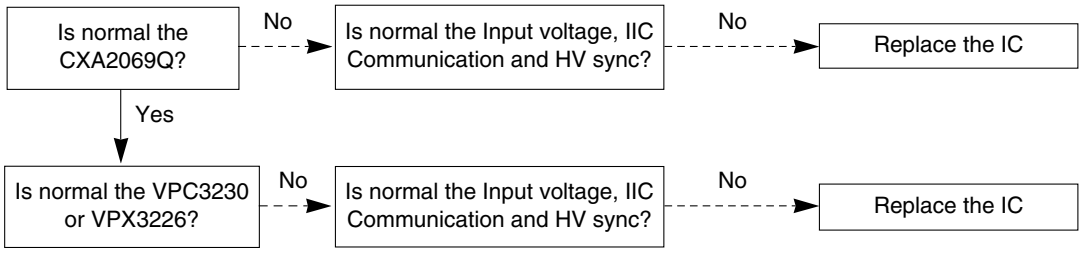
- Check the all input mode should become normality display.
- Check the Video(Main)/Data(Sub), Video(Main)/Video(Sub) should become normality display from the PIP mode or DW mode. (Re-Check it Swap)



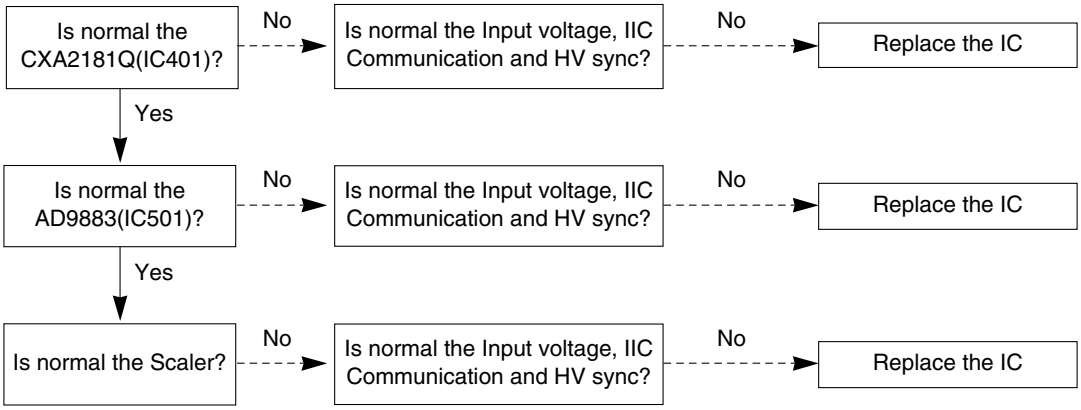
(3) In case of becomes unusual display from RF mode



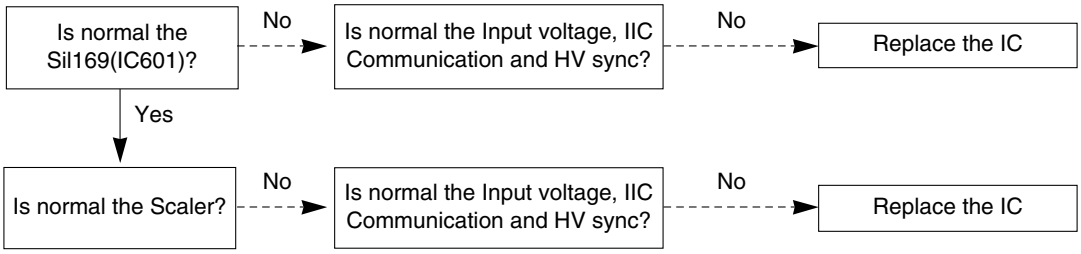
(4) in case of becomes unusual display from RF, AV mode



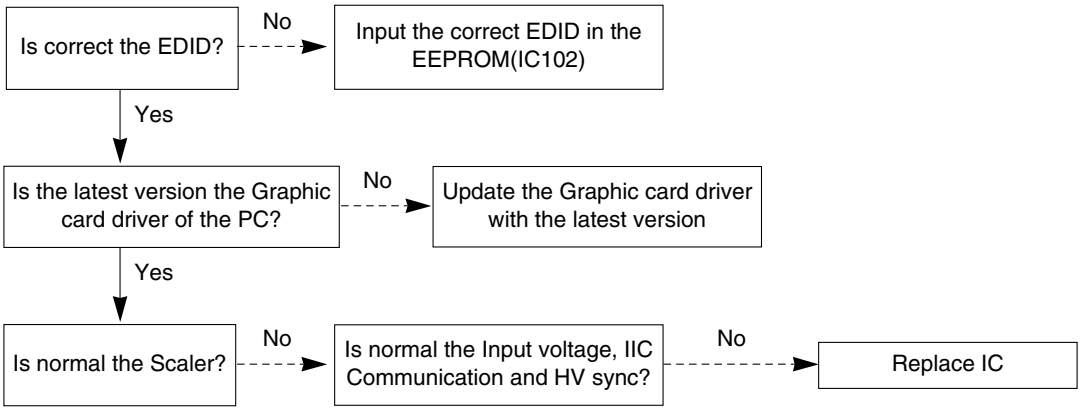
(5) in case of becomes unusual display from Component, RGB-DTV/PC mode



(6) in case of becomes unusual display from DVI-DTV mode



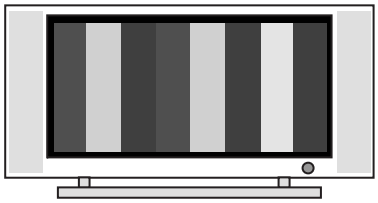
(7) in case of becomes unusual display from DTV-PC mode


Is correct the EDID?
No
Input the correct EDID in the EEPROM(IC102)
Yes
Is the latest version the Graphic card driver of the PC?
No
Update the Graphic card driver with the latest version
Yes
Is normal the Scaler?
No
Is normal the Input voltage, IIC Communication and HV sync?
No
Replace IC

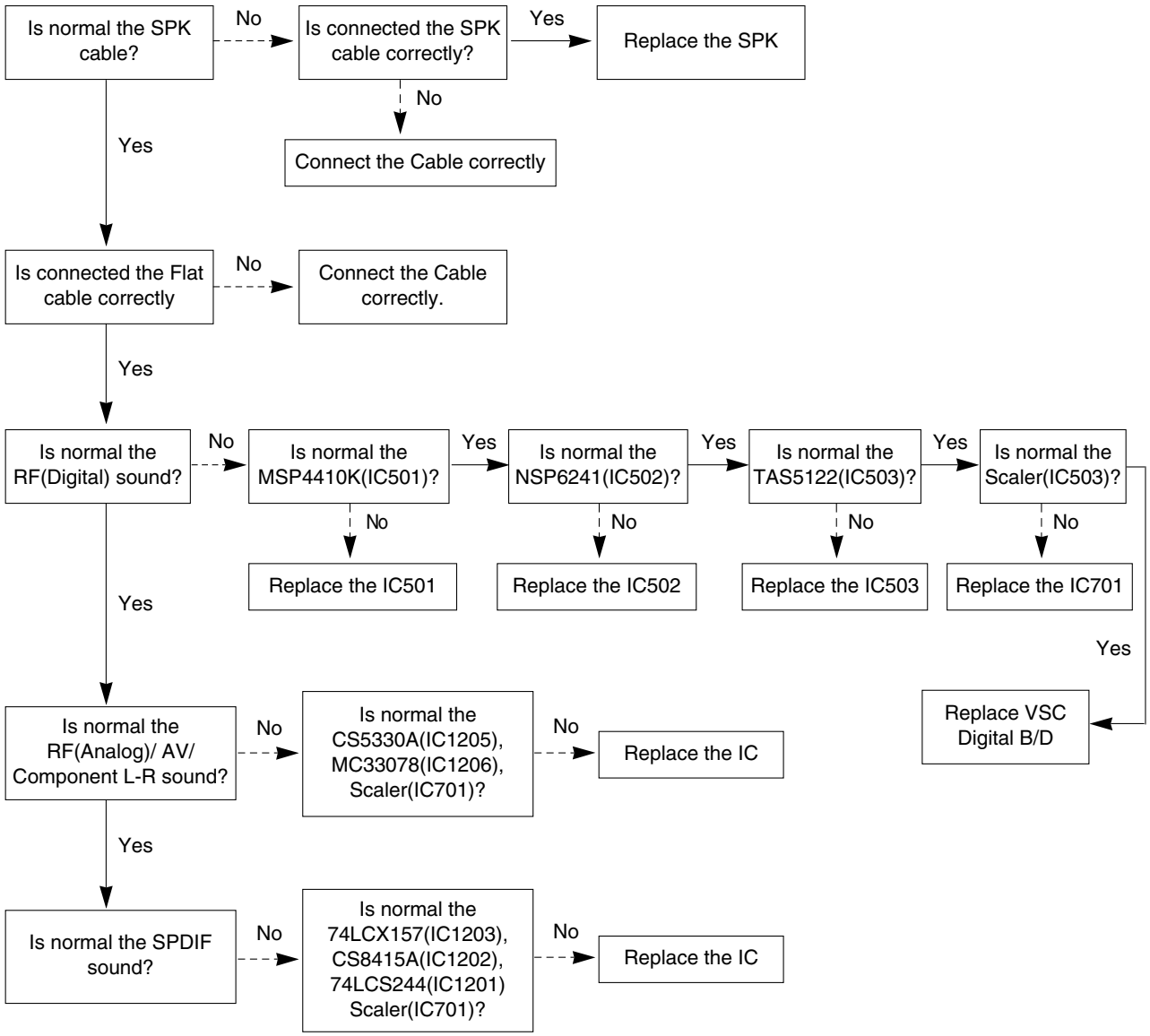
6. In case of no sound

(1) Symptom

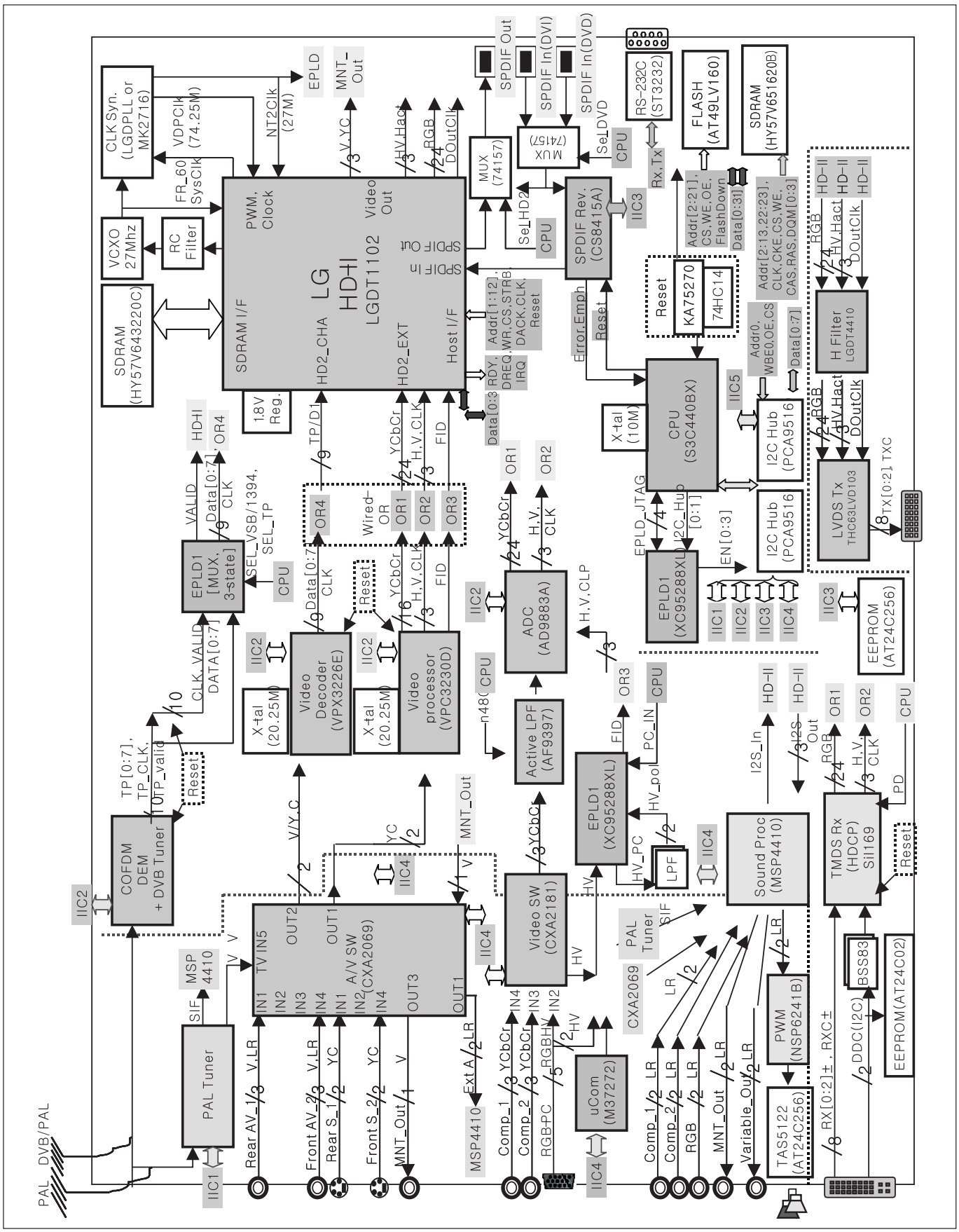
- LED is green
- Screen display but sound is not output



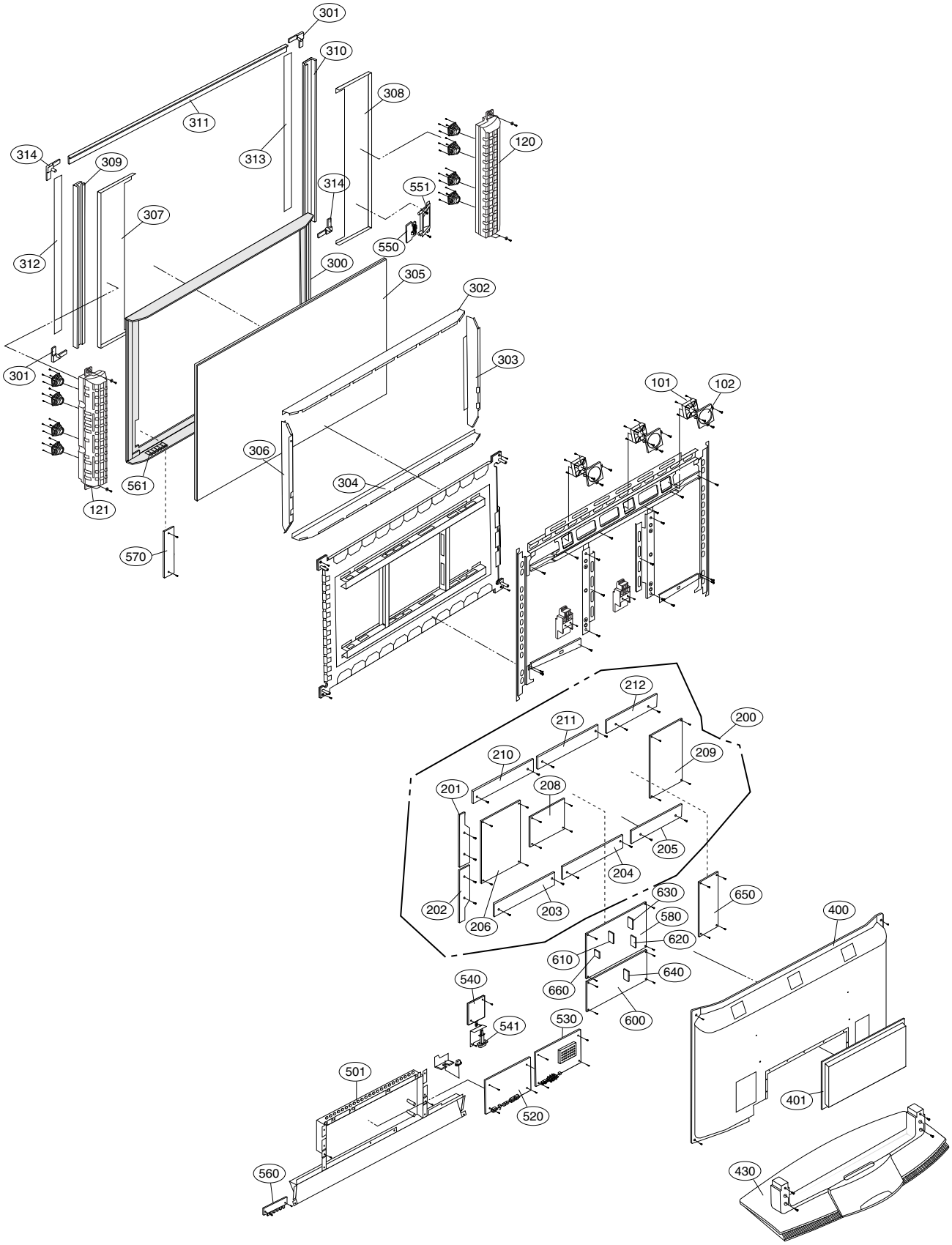
(2) Check follow



BLOCK DIAGRAM



EXPLODED VIEW



EXPLODED VIEW PARTS LIST

No.	Part No.	Descriptions
101	5900V08004A	FAN,DC F8025L12B2-RG DONG YANG 80MM 12V 120MA 2300RPM 79G L 300MM
102	4980V00A48B	SUPPORTER, FAN EGI PRESS DU-60PY10
120	6401VD0017A	SPEAKER ASSEMBLY, DU-60PY10 WOOFER TWEETER L
121	6401VD0016A	SPEAKER ASSEMBLY, DU-60PY10 WOOFER TWEETER R
200	6348Q-B038F	PDP, 60" 16:9 1365*768 PDP60X50554.AKLGG
201	6871QDH035C	PWB(PCB) ASSEMBLY,DISPLAY YDRV UPPER B/D ASSY
202	6871QDH036C	PWB(PCB) ASSEMBLY,DISPLAY YDRV LOWER B/D ASSY
203	6871QLH046A	PWB(PCB) ASSEMBLY,DISPLAY X LEFT BTM B/D ASSY
204	6871QXH029A	PWB(PCB) ASSEMBLY,DISPLAY X CENTER BTM B/D ASSY
205	6871QRH053A	PWB(PCB) ASSEMBLY,DISPLAY X RIGHT BTM B/D ASSY
206	6871QYH035B	PWB(PCB) ASSEMBLY,DISPLAY Y SUS B/D ASSY
208	6871QCH055B	PWB(PCB) ASSEMBLY,DISPLAY CTRL B/D ASSY(4-layer)
209	6871QZH040B	PWB(PCB) ASSEMBLY,DISPLAY Z SUS B/D ASSY
210	6871QLH045A	PWB(PCB) ASSEMBLY,DISPLAY X LEFT TOP B/D ASSY
211	6871QXH028A	PWB(PCB) ASSEMBLY,DISPLAY X CENTER TOP B/D ASSY
212	6871QRH052A	PWB(PCB) ASSEMBLY,DISPLAY X RIGHT TOP B/D ASSY
300	3091V00664A	CABINET ASSEMBLY, DN-60PY10 CABINET ASSY(MOLD)
301	4972V00114B	FIXER, FRAME EGI DU-60PY10 LEFT PRESS
302	4980V00A94B	SUPPORTER, FILTER AL PRESS
303	4980V00A97B	SUPPORTER, FILTER AL PRESS
304	4980V00A95B	SUPPORTER FILTER AL PRESS
305	5230V00022C	FILTER(MECH), DU-60PY10 LG-CHEMICAL FLATRON PLASMA DELETE LG FOR AMREICA
306	4980V00A96B	SUPPORTER, FILTER AL PRESS
307	4811V00112A	BRACKET ASSEMBLY, SPEAKER DU-60PY10 SPK GRILL ASSY R
308	4811V00113A	BRACKET ASSEMBLY, SPEAKER DU-60PY10 SPK GRILLE ASSY L
309	3210V00255A	FRAME, FRONT SIDE AL DU-60PY10 RIGHT WITH SPK
310	3210V00256A	FRAME, FRONT SIDE AL DU-60PY10 LEFT WITH SPK
311	3210V00253A	FRAME, FRONT UPPER AL DU-60PY10 .
312	3790V00745L	WINDOW, DECO DT-60PY10 ACRYL RIGHT
313	3790V00745M	WINDOW, DECO DT-60PY10 ACRYL LEFT
314	4972V00113B	FIXER, FRAME EGI DU-60PY10 RIGHT PRESS
315	3210V00254C	FRAME, BOTTOM AL RZ-60PY10 NON
400	3809V00460H	BACK COVER ASSEMBLY, DT-60PY10 411-960A
401	3301V00025D	PLATE ASSEMBLY, ASSY COVER VSC TUNER RU-42PX10 PRESS
430	3501V00173A	BOARD ASSEMBLY, ASSY AP-60DY10 WITH OUT
501	3301V00026G	PLATE ASSEMBLY, ASSY 3300V00338_339 DT-60PY10
520	6871VMMT40C	PWB(PCB) ASSEMBLY,MAIN AF-046A AUS DT-60PY10 DIGITAL MANUAL
530	6871VSMS12C	PWB(PCB) ASSEMBLY,SUB TUNER AF046A AUS SUB DT-60PY10 ANALOG MANUAL
540	6871VSME94A	PWB(PCB) ASSEMBLY,SUB PSW AF044A POWER SWITCH
541	5020V00436B	BUTTON, MU-60PZ10B ABS
550	6871VSMJ97A	PWB(PCB) ASSEMBLY,SUB A/V AF046A DT-50PY10 SIDE A/V MANUAL
551	4811V00114A	BRACKET ASSEMBLY, SIDE AV DU-60PY10 SIDE A/V ASSY
560	6871VSMG25A	PWB(PCB) ASSEMBLY,SUB CONT RF043B RZ-60PY10 LOCAL_KEY
561	5020V00916A	BUTTON, CONTROL DU-60PY10 ABS, HF-380 6KEY
570	6871VSMF12D	PWB(PCB) ASSEMBLY,SUB LED AF046A DN-60PY10 INDEX
580	6871VPMA79A	PWB(PCB) ASSEMBLY,POWER SMPS AF-044P POWER
600	6871VPM080A	PWB(PCB) ASSEMBLY,POWER SMPS AF-044P PFC
610	6871VSMV70A	PWB(PCB) ASSEMBLY,SUB POWER RF03LA CONTROL
620	6871VSMV69A	PWB(PCB) ASSEMBLY,SUB POWER RF03LA VS M/I
630	6871VSMV68A	PWB(PCB) ASSEMBLY,SUB POWER RF03LA VA M/I
640	6871VSME93B	PWB(PCB) ASSEMBLY,SUB POWER AF044A PFC CONTROL PACK
650	6871VPM100A	PWB(PCB) ASSEMBLY,POWER SMPS RF-043A AC/IN BOARD
660	6871VSMF99A	PWB(PCB) ASSEMBLY,SUB POWER AF044P MULTI CONTROL

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
IC		
IC1001	0IMCRXL004A	XC95288XL-10TQG144C XILINX 144P
IC1003	0ICTMLG013A	LGDT1901A LG IC 24P SSOP
IC1004	0IMCRCY002A	CY2309SC-1HT CYPRESS SOIC 16P
IC101	0IMI623200B	M62320FP,I/O EXPANDER 16P SOP
IC102	0IMI623200B	M62320FP,I/O EXPANDER 16P SOP
IC102	0IMMRAL014B	AT24C02N-10SI-2.7 ATMEL 8P SOIC
IC103	0IMCRTI003A	SN74HCT08D 16P R/TP QUADRUPLE
IC105	0IMCRFA015A	KA7805R FAIRCHILD 2P D-PAK
IC1101	0IMCRPH026B	PA9516APW PHILIPS 16P TSSOP
IC1102	0IMCRSG010A	ST3232CDR SGS-THOMSON SOP16
IC1103	0IKE702900G	KIA7029AF SOT-89 TP 2.9V VOLTAGE
IC1104	0IPH741400E	74HC14D 14SOP TP SHITTER TRIGGER
IC1201	0IMCRFA013A	74LCX244MTC FAIRCHILD 20P TSSOP
IC1202	0ICB841500B	CS8415A-CZR 28P TSSOP R/TP 96KHZ
IC1203	0ITO741570C	TC74LCX157FT 16P,TSSOP TP QUAD 2CH
IC1204	0ITO741570C	TC74LCX157FT 16P,TSSOP TP QUAD 2CH
IC1205	0ICB533100A	CS5331A-KSR 8SOIC TP ADC
IC1206	0IMO330780B	MC33078D 8/SOIC TP LINEAR +-18V OP AMP
IC1301	0ICTMLG018A	LGDP4410 LG IC 176P TQFP
IC1401	0IMCRTH002A	THC63LVD103 64P TQFP
IC1501	0IDS162100B	DS1621V 8P SOIC ST THERMOSTAT
IC1502	0IPMGKE032A	KIA78R09F KEC 5PIN DPAK R/TP 1A,9V
IC1503	0IPMGKE032A	KIA78R09F KEC 5PIN DPAK R/TP 1A,9V
IC1601	0IPMGKE030A	KIA78R05F KEC 5PIN DPAK R/TP 1A,5V
IC1602	0IMCRRH001A	BA033FP-E2 ROHM 3P-SOP,TO252-3
IC1603	0IMCRSJ001A	SC1565IST-1.8 SEMTECH 3P SOT223 TP
IC1604	0IMCRFA010A	KA7809R, FAIRCHILD 2P D-PAK
IC1605	0IPRPML001A	MIC39100 MICREL 3P SOT223
IC1608	0IMCRRH001A	BA033FP-E2 ROHM 3P-SOP,TO252-3
IC201	0IIT323000E	VPC3230D C5 80P QFP
IC301	0ILNRMN005A	VPX3226E MICRONAS 44 QFP
IC301	0ISO206900A	CXA2069Q QFP64 BK I2C BUS AV S/W
IC401	0IMCRMN023A	SDA6001 QH B12 MICRONAS 128P MQFP
IC401	0IMCRSO025A	CXA2181Q SONY 48P QFP
IC402	0IMMRHY001F	HY57V641620HGT-H HYNIX 54P TSOPII
IC403	0IMMRMR010C	MX29LV160BTTC-70 MACRONIX 48PIN
IC404	0IMCRAL006A	AT24C16AN-10SI-2.7 ATMEL 8P SOIC
IC405	0IKE702700D	KIA7027AF 3, SOT-89 TP RESET IC 2.7V
IC501	0IMCRAD002A	AD9883AKST-110 ANALOG DEVICE 80P
IC501	0IMCRMN028B	MSP4410K MICRONAS 80P/PQFP
IC502	0IMCRNL001A	NSP-6241B NEOFIDELITY 64P TQFP
IC503	0IMCRTI028C	TAS5122DCAR 56P/TSSOP R/TP 30W
IC601	0IMCRS5003A	SIL169CT100 SILICON IMAGE 100P LQFP
IC601	0ITK118100B	TK11840L 8P SOT23L R/TP DC-DC
IC602	0IPMGKE030A	KIA78R05F KEC 5PIN DPAK R/TP 1A,5V
IC603	0IMCRFA010A	KA7809R, FAIRCHILD 2P D-PAK
IC604	0IPRPML001A	MIC39100 MICREL 3P SOT223
IC605	0IPMGKE030A	KIA78R05F KEC 5PIN DPAK R/TP 1A,5V
IC606	0IMCRSJ001A	SC1565IST-1.8 SEMTECH 3P SOT223 TP
IC701	0ICTMLG009A	LGDT1102 HD2 LG IC SBGA-432PIN
IC702	0IMMRSS041D	K4S641632H-TL75 54P TSOP

LOCA. NO	PART NO	DESCRIPTION
IC703	0IMMRSS041D	K4S641632H-TL75 54P TSOP
IC704	0IMMRSS041D	K4S641632H-TL75 54P TSOP
IC705	0IMMRSS041D	K4S641632H-TL75 54P TSOP
IC801	0IMI372726A	COPY M37272EFSP6(OTP) 42SDIP
IC801	0IPMGFE003A	FA5502M-TE1 FUJI ELECTRIC 16P SOP
IC802	0IKE704200J	KIA7042AF SOT-89 TP 4.2V VOLTAGE
IC803	0IMCRAL006A	AT24C16AN-10SI-2.7 ATMEL 8P SOIC
IC8102	0IIR121130A	1R2113S 16SOP R/TP H/BRIDGE DRIVER
IC8103	0IRH103392A	BA10339FV-E2 SSOP-B14PIN R/TP
IC8104	0ISH121100D	PQ12DZ1U 5 SMD R/TP REGULATOR
IC8131	0IUN386300B	UC3863DW 20PLCC R/TP PFZO CONTROLLER
IC8201	0IPMGFA049A	KA5M0380RYDTU FAIRCHILD 4PIN ST PWM IC
IC8202	0IPMGFA049A	KA5M0380RYDTU FAIRCHILD 4PIN ST PWM IC
IC8204	0IKE781800A	KIA7818API TO220IS ST 18V REGULATOR
IC8205	0IKE781200P	KIA7812API TO220 ST 3P 12V REGULATOR
IC8206	0ITI431000D	TL431ILP LP003 VAR.ZENER
IC8301	0IKE781800A	KIA7818API TO220IS ST 18V REGULATOR
IC8304	0ITI431000D	TL431ILP LP003 VAR.ZENER
IC8602	0IIR121130A	1R2113S 16SOP R/TP H/BRIDGE DRIVER
IC8603	0IRH103392A	BA10339FV-E2 SSOP-B14PIN R/TP
IC8604	0ISH121100D	PQ12DZ1U 5 SMD R/TP REGULATOR
IC8631	0IUN386300B	UC3863DW 20PLCC R/TP PFZO CONTROLLER
IC8801	0IPMGSK022A	STR-F6468(LF1352) TO220 5P
IC8803	0ITI431000D	TL431ILP LP003 VAR.ZENER
IC8804	0ISK805011A	SI-8050S(LF1113) 5PIN BK 5V
IC8805	0ISK812011A	SI-8120S(LF1113) 5PIN BK 12V
IC8806	0ISK812011A	SI-8120S(LF1113) 5PIN BK 12V
IC8807	0IFA754207A	KA75420ZTA(KA7542ZTA) 3P,TO-92
IC8851	0IMCRFA028A	KA7500CDTF FAIRCHILD 16P/SOP
IC8900	0ISH817300B	PC817XF3 4D PHOTO COUPLER
IC901	0IMCRSS016A	S3C44BOX01-EDRO LQFP-160 TRAY CPU
IC902	0IMMRAL016D	AT49BV160-70TI ATMEL 48P TSOP
IC903	0IMMRAL016D	AT49BV160-70TI ATMEL 48P TSOP
IC904	0IMMRSS041D	K4S641632H-TL75 54P TSOP
IC905	0IMMRSS041D	K4S641632H-TL75 54P TSOP
IC906	0IAL242561B	AT24C256W-10SI-2.7V 8P SOIC ST D752
PC8201	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
PC8202	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
PC8204	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
PC8401	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
PC8402	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
PC8403	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
PC8501	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
PC8502	0ISH851000A	PC851XJ0000F(PB-FREE) SHARP DIP 4P
PC8503	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
PC8504	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
PC8801	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
TRANSISTOR		
Q101	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q101	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q102	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q102	0TR387500AA	CHIP 2SC3875S(ALY) KEC

LOCA. NO	PART NO	DESCRIPTION
Q102	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q103	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q103	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q103	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q104	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q104	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q105	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q105	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q106	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q106	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q107	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q107	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q108	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q109	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q110	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q111	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q112	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q113	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q114	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q201	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q201	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q202	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q202	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q203	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q203	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q204	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q204	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q205	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q205	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q206	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q301	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q301	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q302	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q302	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q303	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q304	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q305	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q306	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q401	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q401	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q402	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q402	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q403	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q404	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q405	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q406	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q501	0TR102009AG	CHIP KRC102S KEC TP SOT-23 NA NA
Q501	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q502	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q503	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q504	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q505	0TR150400BA	CHIP 2SA1504S(ASY) KEC

LOCA. NO	PART NO	DESCRIPTION
Q506	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q507	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q508	0TR102008AA	KRA102S R/TP KEC SOT23 CHIP TR
Q601	0TR830009BA	BSS83 TP PHILIPSN-CHANNEL S/W TR
Q601	0TRKE80038A	KTC3552T-RTK R/TP SOT-23F 50V 3A
Q602	0TR830009BA	BSS83 TP PHILIPSN-CHANNEL S/W TR
Q701	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q802	0TR176608AA	2SD1766Q R/TP SMD FD-60X3R
Q804	0TR118008AA	2SB1188Q R/TP SMD FD-60X3R
Q8101	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8102	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8104	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8105	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8105	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q8106	0TR102009AG	CHIP KRC102S KEC TP SOT-23 NA NA
Q8107	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8108	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8108	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q8201	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q8203	0TR102009AB	KRC102M(KRC1202) KEC TP NA NA NA
Q8204	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q8205	0TR102009AB	KRC102M(KRC1202) KEC TP NA NA NA
Q8206	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q8207	0TR322709AA	KTC3227-Y,TP(KTC1627A),KEC
Q8208	0TR322709AA	KTC3227-Y,TP(KTC1627A),KEC
Q8209	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q8212	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q8215	0TR322709AA	KTC3227-Y,TP(KTC1627A),KEC
Q8304	0TFFJ10002A	2SK3680-01 FUJI ST USC 500V 52A
Q8305	0TFFJ10002A	2SK3680-01 FUJI ST USC 500V 52A
Q8401	0TFFN10006A	SPW20N60C3 ST TO-247 650V 20.7A
Q8402	0TFFN10006A	SPW20N60C3 ST TO-247 650V 20.7A
Q8403	0TR322709AA	KTC3227-Y,TP(KTC1627A),KEC
Q8501	0TF283700AA	2SK2837 BK TOSHIBA 500V 20A TO3P
Q8502	0TF283700AA	2SK2837 BK TOSHIBA 500V 20A TO3P
Q8503	0TF283700AA	2SK2837 BK TOSHIBA 500V 20A TO3P
Q8504	0TF283700AA	2SK2837 BK TOSHIBA 500V 20A TO3P
Q8505	0TR320709AA	KTC3207,TP(KTC2482),KEC
Q8601	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8602	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8604	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8605	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q8606	0TR102009AG	CHIP KRC102S KEC TP SOT-23 NA NA
Q8607	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8608	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q8801	0TFTH00002A	2SJ334 TOSHIBA BK TO220 60V 30A
Q8802	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q8803	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q8804	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q8805	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q8851	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q8852	0TR176608AA	2SD1766Q R/TP SMD FD-60X3R

LOCA. NO	PART NO	DESCRIPTION
Q8853	0TR118008AA	2SB1188Q R/TP SMD FD-60X3R
Q8900	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q8901	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q8902	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q8903	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q8904	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q8905	0TR102009AG	CHIP KRC102S KEC TP SOT-23 NA NA
Q8906	0TR102009AG	CHIP KRC102S KEC TP SOT-23 NA NA
Q8907	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q8908	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8909	0TR102009AG	CHIP KRC102S KEC TP SOT-23 NA NA
Q901	0TR102008AA	KRA102S R/TP KEC SOT23 CHIP TR
DIODE		
D101	0DD226239AA	CHIP KDS226 SOT-23
D102	0DD226239AA	CHIP KDS226 SOT-23
D103	0DD226239AA	CHIP KDS226 SOT-23
D104	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D1101	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D1501	0DD100009AC	RU1V(1) TP SANKEN
D403	0DD226239AA	CHIP KDS226 SOT-23
D404	0DD226239AA	CHIP KDS226 SOT-23
D601	0DD226239AA	CHIP KDS226 SOT-23
D602	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D603	0DD226239AA	CHIP KDS226 SOT-23
D604	0DD226239AA	CHIP KDS226 SOT-23
D605	0DD226239AA	CHIP KDS226 SOT-23
D606	0DD226239AA	CHIP KDS226 SOT-23
D805	0DD120000BB	FML-G12S
D8101	0DZ620009BB	MTZJ6.2B TP DO34 0.5W 6.2V 5UA
D8102	0DR011009AA	EG01AV1 TP - 600V 0.5A 10A 100NSEC 0.5MA
D8104	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D8105	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D8201	0DD100009AP	EG1ZV(1) TP TP SANKEN
D8202	0DZ620009BB	MTZJ6.2B TP DO34 0.5W 6.2V 5UA
D8203	0DD260000BB	BRIDGE D2SBA60(STK) SHINDENKEN
D8204	0DD110009DB	RM11CV(1) TP TP SANKEN
D8206	0DRFJ00061A	YG805C06R ST D-PAK 60V 20A 80A .SEC 15MA
D8207	0DD100009AM	EU1ZV(1) TP SANKEN
D8208	0DR010009AA	EG01C TP - 1000V 0.5A 10A 100NSEC 50UA
D8209	0DD100009AM	EU1ZV(1) TP SANKEN
D8212	0DD100009AP	EG1ZV(1) TP TP SANKEN
D8213	0DD100009AP	EG1ZV(1) TP TP SANKEN
D8214	0DD100009AM	EU1ZV(1) TP SANKEN
D8218	0DD414809ED	1N4148 TP GRANDE
D8221	0DZ620009BB	MTZJ6.2B TP DO34 0.5W 6.2V 5UA
D8301	0DD414809ED	1N4148 TP GRANDE
D8302	0DD414809ED	1N4148 TP GRANDE
D8303	0DRSD00050B	D25XB60-4000 BK D-PAK 600V 25A 350A
D8304	0DRSD00050B	D25XB60-4000 BK D-PAK 600V 25A 350A
D8305	0DR310000BA	RM3A LF-U1 BK - 600V 2.5A 150A - 10UA
D8306	0DD410009AA	SCHOTTKY,BAT 41 TP

LOCA. NO	PART NO	DESCRIPTION
D8307	0DD410009AA	SCHOTTKY,BAT 41 TP
D8310	0DRSD00220A	SF20L60U BK TO220 600V 20A 180A
D8311	0DRSD00220A	SF20L60U BK TO220 600V 20A 180A
D8312	0DR010009AA	EG01C TP - 1000V 0.5A 10A 100NSEC 50UA
D8313	0DZ150009AD	MTZJ15B TP DO34 500MW 15V 5MA -PF
D8401	0DD100009AP	EG1ZV(1) TP TP SANKEN
D8402	0DD414809ED	1N4148 TP GRANDE
D8403	0DD414809ED	1N4148 TP GRANDE
D8404	0DR240000BA	FML-24S BK TO220 400V 10A 70A 40NSEC
D8405	0DZ330009BA	ZENER HZT33 TAPING
D8406	0DZ330009BA	ZENER HZT33 TAPING
D8407	0DD100009AP	EG1ZV(1) TP TP SANKEN
D8408	0DZ120009AF	MTZJ12B TP DO34 - 12V 5UA
D8409	0DZ680009BB	MTZJ6.8B TP DO34 0.5W 6.8V 5UA
D8411	0DZ360009BC	MTZJ3.6B TP DO34 0.5W 3.6V 5UA
D8412	0DZ680009BB	MTZJ6.8B TP DO34 0.5W 6.8V 5UA
D8414	0DR220000CA	FMM-22S BK TO220 200V 10A 100A
D8418	0DD414809ED	1N4148 TP GRANDE
D8419	0DZ120009AF	MTZJ12B TP DO34 - 12V 5UA
D8501	0DD100009AP	EG1ZV(1) TP TP SANKEN
D8502	0DZ610009AA	P6KE100A TP G.I - 1W 100V 1UA
D8503	0DZ610009AA	P6KE100A TP G.I - 1W 100V 1UA
D8504	0DD100009AP	EG1ZV(1) TP TP SANKEN
D8505	0DRSA00160A	FML-34S BK FM80 400V 20A 100A 50NSEC
D8506	0DD100009AP	EG1ZV(1) TP TP SANKEN
D8507	0DD100009AP	EG1ZV(1) TP TP SANKEN
D8508	0DZ120009AF	MTZJ12B TP DO34 - 12V 5UA
D8509	0DRSA00160A	FML-34S BK FM80 400V 20A 100A 50NSEC
D8510	0DZ680009BB	MTZJ6.8B TP DO34 0.5W 6.8V 5UA
D8511	0DZ610009AA	P6KE100A TP G.I - 1W 100V 1UA
D8512	0DZ180009AG	MTZJ18B TP DO34 - 18V 5UA -
D8515	0DD414809ED	1N4148 TP GRANDE
D8601	0DZ620009BB	MTZJ6.2B TP DO34 0.5W 6.2V 5UA
D8602	0DR011009AA	EG01AV1 TP - 600V 0.5A 10A 100NSEC 0.5MA
D8604	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D8605	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D8801	0DD100009AM	EU1ZV(1) TP SANKEN
D8802	0DD100009AM	EU1ZV(1) TP SANKEN
D8803	0DD414809ED	1N4148 TP GRANDE
D8804	0DD100009DK	RU1P V(1) TP 1000V 0.4A 10A 0.1US 5UA
D8811	0DD120000BB	FML-G12S
D8812	0DD120000BB	FML-G12S
D8813	0DR360000BA	FMB-36M BK - 0.62V 100NSEC 10MA
D8814	0DRFJ00061A	YG805C06R 60V 20A 80A .SEC 15MA
D8815	0DRFJ00070A	YG811S04R 40V 5A 120A NONSEC 5.0MA
D8816	0DRFJ00070A	YG811S04R 40V 5A 120A NONSEC 5.0MA
D8817	0DRFJ00070A	YG811S04R 40V 5A 120A NONSEC 5.0MA
D8818	0DD100009AM	EU1ZV(1) TP SANKEN
D8819	0DZ110009AD	MTZJ11B TP DO34 - 11V 5UA
D8819	0DZ120009AF	MTZJ12B TP DO34 - 12V 5UA
D8820	0DZ750009AG	MTZJ7.5B TP DO34 0.5W 7.5V 5UA
D8821	0DZ750009AG	MTZJ7.5B TP DO34 0.5W 7.5V 5UA

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN : Ceramic
CQ : Polyestor
CE : Electrolytic

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
D8851	0DD226239AA	CHIP KDS226 SOT-23
D8852	0DD181009AB	KDS181 TP KEC - 85V - 300MA
D8853	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D8900	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D8901	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D8903	0DD226239AA	CHIP KDS226 SOT-23
D8904	0DD226239AA	CHIP KDS226 SOT-23
D8907	0DD226239AA	CHIP KDS226 SOT-23
ZD101	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD102	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD103	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD104	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD105	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD106	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD1101	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD1102	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD301	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD302	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD501	0DZ820009AH	MTZJ8.2B TP DO34 - 8.2V 5UA
ZD8201	0DZ150009AD	MTZJ15B TP DO34 500MW 15V 5MA -PF
ZD8902	0DZRM00178A	UDZS TE-17 5.1B SMD 0.2W 5.1V 5MA -PF
ZD8906	0DZ560009CF	MTZJ5.6B TP DO34 0.5W 5.6V 5UA
ZD8908	0DZRM00178A	UDZS TE-17 5.1B SMD 0.2W 5.1V 5MA -PF
CAPACITOR		
C104	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C104	0CE476DF618	47UF STD 16V M FL TP5
C104	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C105	0CE476DF618	47UF STD 16V M FL TP5
C106	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1102	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1104	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1108	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1110	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C123	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C124	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C125	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1267	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1268	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1269	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1270	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1271	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1272	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1273	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1274	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1275	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1276	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1277	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1278	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1279	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C1280	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1281	0CE476SF6DC	47UF MVG 16V M SMD R/TP

LOCA. NO	PART NO	DESCRIPTION
C1282	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1283	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C1284	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1285	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C1286	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1287	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1288	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C1289	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1290	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1291	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C1292	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C1293	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1294	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1295	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1296	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1297	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1298	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C1299	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1300	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1301	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1302	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1303	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1304	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1305	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1306	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1307	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1309	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1311	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1314	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1315	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C1317	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C1319	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1320	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1340	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1343	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C201	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C201	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C202	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C203	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C204	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C205	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C206	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C207	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C208	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C209	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C209	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C210	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C211	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C212	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C213	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C214	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C226	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD

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LOCA. NO	PART NO	DESCRIPTION
C251	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C251	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C252	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C307	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C308	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C309	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C309	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)
C318	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C319	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C325	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C327	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C328	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C329	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C330	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C331	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C356	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C368	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C370	0CK823DK56A	82000PF 2012 50V 10% R/TP X7R
C377	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C384	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C388	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C401	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C402	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C410	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C414	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C415	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C416	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C417	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C418	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C426	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C429	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C431	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C432	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C433	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C436	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C438	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C443	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C507	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C509	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
C511	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C520	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
C531	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C533	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C544	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C550	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C551	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C555	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
C556	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)
C560	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)
C563	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C566	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C567	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD

LOCA. NO	PART NO	DESCRIPTION
C576	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C577	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C583	0CE108DJ618	1000UF STD 35V M FL TP5
C597	0CE108DJ618	1000UF STD 35V M FL TP5
C602	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C603	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C604	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C607	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C609	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C610	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C611	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C612	0CE477DJ618	470UF STD 35V 20% FL TP 5
C613	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C614	0CE477DJ618	470UF STD 35V 20% FL TP 5
C615	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C616	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C616	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C617	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C621	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C623	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C624	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C633	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C636	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C637	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C638	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C646	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C647	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C648	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C652	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C653	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C654	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C655	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C660	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C661	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C662	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C675	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C679	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C680	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C681	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C682	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C683	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C684	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C686	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C690	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C728	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C729	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C801	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C807	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)
C808	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C809	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C8101	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C8102	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R

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LOCA. NO	PART NO	DESCRIPTION
C8105	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C8106	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C8107	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C811	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C8110	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C8111	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C812	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C812	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C813	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C813	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C818	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C819	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C8203	0CE105BK618	1UF KME 50V M FL TP5
C8204	181-001R	CE 450V 220UF M LUG(85)
C8205	0CE477BJ618	470UF KME TYPE 35V 20% FL TP 5
C8206	181-010K	PP 0.01UF 630V 5% FM 7.5MM
C8207	0CE226BV611	22UF KME TYPE 450V M FL BK7.5
C8209	181-010K	PP 0.01UF 630V 5% FM 7.5MM
C8210	0CE477BH618	470UF KME TYPE 25V 20% FL TP 5
C8211	0CK1040K945	0.1UF 50V Z F TR
C8212	0CE108BF618	1000UF KME 16V M FL TP5
C8213	181-091D	DEHR33A102KN2A 1000PF 1KV 10%
C8214	181-091P	SL 270PF 1KV 10%,-10% R/TP TP5
C8215	181-033E	CK 2200PF 1KV 10% TR 7.5MM
C8216	0CE108BF618	1000UF KME 16V M FL TP5
C8217	181-091D	DEHR33A102KN2A 1000PF 1KV 10%
C8218	181-035W	DE1B3KX681KA4BLC1 680PF 250V 10%
C8220	0CE107BJ618	100UF KME 35V M FL TP5
C8221	0CK1040K945	0.1UF 50V Z F TR
C8222	0CE227BH618	220UF KME 25V M FL TP5
C8223	0CE476BK618	47UF KME 50V M FL TP5
C8224	0CE225DK618	2.2UF STD 50V 20% FL TP 5
C8225	0CE107BJ618	100UF KME 35V M FL TP5
C8227	0CK1040K945	0.1UF 50V Z F TR
C8228	0CQ1041N509	0.1UF D 100V 10% PE TP5
C8229	0CQ1031N509	0.01UF D 100V 10% PE TP5
C8230	0CE107DH618	100UF STD 25V M FL TP5
C8231	0CQ1041N509	0.1UF D 100V 10% PE TP5
C8232	0CE477BH618	470UF KME TYPE 25V 20% FL TP 5
C8233	0CK1040K945	0.1UF 50V Z F TR
C827	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C8303	0CZZVSB014A	PCK2 337 2.2UF 275V 10% BULK X-CAP
C8306	0CZZVSB015A	PCK2 337 1.0UF 275V 10% BULK X-CAP
C8308	0CB8241Y474	0.82UF D 630V 5% M/PP NI BULK
C8309	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
C8310	0CB8241Y474	0.82UF D 630V 5% M/PP NI BULK
C8311	0CE337LVK40	330UF KLT HK 450V 20%,-20% FM10 BULK
C8312	0CE337LVK40	330UF KLT HK 450V 20%,-20% FM10 BULK
C8314	0CE337LVK40	330UF KLT HK 450V 20%,-20% FM10 BULK
C8315	0CB8241Y474	0.82UF D 630V 5% M/PP NI BULK
C8320	0CE477BH618	470UF KME TYPE 25V 20% FL TP 5
C8321	0CZZVSB014A	PCK2 337 2.2UF 275V 10% BULK X-CAP

LOCA. NO	PART NO	DESCRIPTION
C8336	181-035V	DE1B3KX221KA4BLC1 220PF 250V 10%
C8337	181-035V	DE1B3KX221KA4BLC1 220PF 250V 10%
C8401	181-091R	R 1000PF 1KV 10%,-10% R/TP TP5
C8402	0CC47001505	47PF 1KV K SL TR
C8404	0CC47001505	47PF 1KV K SL TR
C8407	0CBZVBK001A	M/PP NI 0.039UF 800V 5% FM 20MM
C8409	0CC47001505	47PF 1KV K SL TR
C8410	0CQ2231N509	0.022UF D 100V 10% PE TP5
C8411	0CE337LVK40	330UF KLT HK 450V 20%,-20% FM10 BULK
C8412	0CE687RP6A0	680UF KMH 160V M VNSN BULK
C8414	0CE227BP650	220UF KME TYPE 160V 20% FM7.5 BULK
C8416	0CQ1041N509	0.1UF D 100V 10% PE TP5
C8504	181-091R	R 1000PF 1KV 10%,-10% R/TP TP5
C8506	0CBZVBK001B	0.056UF 800V J M/PP NI FM20
C8507	181-033T	2KV B 222K TP7.5
C8508	0CBZVBK001B	0.056UF 800V J M/PP NI FM20
C8510	0CC47001505	47PF 1KV K SL TR
C8511	0CE687RP6A0	680UF KMH 160V M VNSN BULK
C8512	0CC47001505	47PF 1KV K SL TR
C8513	0CC47001505	47PF 1KV K SL TR
C8514	0CC47001505	47PF 1KV K SL TR
C8515	0CC47001505	47PF 1KV K SL TR
C8517	0CE687RP6A0	680UF KMH 160V M VNSN BULK
C8518	0CE827RR6A0	820UF KMH 250V 20% VNSN BULK
C8519	0CE827RR6A0	820UF KMH 250V 20% VNSN BULK
C8520	0CE827RR6A0	820UF KMH 250V 20% VNSN BULK
C8521	0CQ1031N509	0.01UF D 100V 10% PE TP5
C8522	181-007H	MPE ECQ-V1H474JL3(TR), 50V 0.47UF
C8523	181-120N	1000PF 4KV M E FMTW LEAD4.5
C8524	0CE476BK618	47UF KME 50V M FL TP5
C8525	0CQ4731N509	0.047UF D 100V 10% PE TP5
C8601	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C8602	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C8605	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C8606	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C8607	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C8610	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C8611	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C880	0CE475WJ6DC	4.7UF MVK 35V 20% R/TP(SMD) SMD
C8802	0CE227BK618	220UF KME 50V M FL TP5
C8803	0CK8210K515	820P 50V K B TS
C8804	181-011B	0.001UF D 1.6KV J M/PP NI FM20
C8805	0CK8210K515	820P 50V K B TS
C8807	181-010P	PP 0.068UF 630V 5%,-5% FM PP
C8811	0CE338EF618	3300UF KMG,RD 16V 20% FL TP 5
C8812	0CE338EF618	3300UF KMG,RD 16V 20% FL TP 5
C8814	0CE108BK61A	1000UF KME 50V M FL TP7.5
C8815	0CE108BJ618	1000UF KME 35V M FL TP5
C8816	0CE108BJ618	1000UF KME 35V M FL TP5
C8817	0CE228EJ61A	2200UF KMG 35V M FL TP 7.5
C8818	0CE228EJ61A	2200UF KMG 35V M FL TP 7.5
C8818	0CE478EJK50	4700UF KMG,RD 35V 20%,-20% FM7.5 BULK

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LOCA. NO	PART NO	DESCRIPTION
C8819	0CE228DD618	2200UF STD 10V M FL TP5
C8820	0CE228DD618	2200UF STD 10V M FL TP5
C8821	0CE228BF618	2200UF KME 16V M FL TP5
C8822	0CE228BF618	2200UF KME 16V M FL TP5
C8823	0CQ1041N509	0.1UF D 100V 10% PE TP5
C8824	181-007C	MPE ECQ-V1H104JL3(TR), 50V 0.1UF
C8825	181-007C	MPE ECQ-V1H104JL3(TR), 50V 0.1UF
C8826	0CE338EF618	3300UF KMG,RD 16V 20% FL TP 5
C8827	0CE338EF618	3300UF KMG,RD 16V 20% FL TP 5
C8830	0CE338EF618	3300UF KMG,RD 16V 20% FL TP 5
C8831	181-007C	MPE ECQ-V1H104JL3(TR), 50V 0.1UF
C8835	181-007T	MPE ECQ-V1H105JL3(TR), 50V 1.0UF
C8836	181-007T	MPE ECQ-V1H105JL3(TR), 50V 1.0UF
C8837	181-007T	MPE ECQ-V1H105JL3(TR), 50V 1.0UF
C8841	0CQ1041N509	0.1UF D 100V 10% PE TP5
C8851	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C8854	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C8855	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C8860	0CE227DD618	220UF STD 10V M FL TP5
C8861	0CE227DD618	220UF STD 10V M FL TP5
C8862	0CE107DD618	100UF STD 10V M FL TP5
C8900	0CE107VH6DC	100UF MV 25V 20% R/TP(SMD) SMD
C8901	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) SMD
C8903	0CE106SH6DC	10UF MVG 25V M SMD R/TP
C8905	0CE107VH6DC	100UF MV 25V 20% R/TP(SMD) SMD
C8907	0CE336SH6DC	33UF MVG 25V M SMD R/TP
C902	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C903	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C909	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C918	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C919	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C920	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C953	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C954	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C955	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C973	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C974	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP

COIL & TRANSFORMER

L1601	6140VB0004B	COIL,CHOKE2 6UH 1UEWPHY 22.5TURN YL-9N
L1603	6140VB0004B	COIL,CHOKE2 6UH 1UEWPHY 22.5TURN YL-9N
L1604	6140VB0004B	COIL,CHOKE2 6UH 1UEWPHY 22.5TURN YL-9N
L1623	6140VB0004B	COIL,CHOKE2 6UH 1UEWPHY 22.5TURN YL-9N
L506	6140VB0024A	COIL,CHOKE LPK-1322A SOOJUNG 22UH
L507	6140VB0024A	COIL,CHOKE LPK-1322A SOOJUNG 22UH
L508	6140VB0024A	COIL,CHOKE LPK-1322A SOOJUNG 22UH
L509	6140VB0024A	CCOIL,CHOKE LPK-1322A SOOJUNG 22UH
L601	6140VB0004B	COIL,CHOKE 26UH 1UEWPHY 22.5TURN YL-9N
L602	6140VB0004B	COIL,CHOKE 26UH 1UEWPHY 22.5TURN YL-9N
L603	6140VB0004B	COIL,CHOKE 26UH 1UEWPHY 22.5TURN YL-9N
L604	6140VB0004B	COIL,CHOKE 26UH 1UEWPHY 22.5TURN YL-9N
L8308	150-C02F	COIL,CHOKE82UH PHY TURN

LOCA. NO	PART NO	DESCRIPTION
L8803	6170VZ0005B	TRANSFORMER IRON-15 150UH SI-8150S
L8804	150-C02F	COIL,CHOKE 82UH PHY TURN
L8805	6170VZ0005B	TRANSFORMER IRON-15 150UH SI-8150S
L8806	6170VZ0005B	TRANSFORMER IRON-15 150UH SI-8150S
L8807	150-C02F	COIL,CHOKE 82UH PHY TURN
L8808	150-C02F	COIL,CHOKE 82UH PHY TURN
L8812	150-C04J	COIL,CHOKE GET 3.8UH 0.65PHY 8.5TURN
L8815	150-C03A	COIL,CHOKE 1.04UH PHY TURN
T8201	6170VS0009A	TRANSFORMER,STAND-BY EER2834 3000UH
T8202	6170VS0009A	TRANSFORMER,STAND-BY EER2834 3000UH
T8302	6170VG0004A	TRANSFORMER,POWEREER5345 310UH
T8303	6170VG0004A	TRANSFORMER,POWEREER5345 310UH
T8401	6170VMCA21C	TRANSFORMER,SMPS[COIL] EER4244 450UH
T8501	151-A10K	TRANSFORMER,SMPS[COIL] EER4445
T8502	151-A10K	TRANSFORMER,SMPS[COIL] EER4445
T8503	6170VMCA37C	TRANSFORMER,SMPS[COIL] PQ3535 14UH
T8801	6170VMCA03M	TRANSFORMER,SMPS[COIL] EER4942 600UH

CONNECTOR

JK101	6630VGA001C	68114-1521 15PIN 2.29MM
JK103	6630GZ00724	67351-4006 MOLEX 24P 1.91MM
P1102	6630VGA004B	69107-0921 MOLEX 9P 2.77MM
P804A	387-A05A	5P 2.5MM 100MM H-B UL1007AWG26

RESISTOR

AR101	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR102	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR103	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
D8216	0RD1003F609	100K OHM 1/6 W 5% TA52
R1101	0RD0152H609	15 OHM 1/2 W 5.00% TA52
R1209	0RS0562H609	56 OHM 1/2 W 5.00% TA52
R1210	0RS0562H609	56 OHM 1/2 W 5.00% TA52
R310	0RN1002F409	10K OHM 1/6 W 1.00% TA52
R8151	0RKZVTA001D	10M OHM 1/2 W 5% TA52
R8202	0RD2203F609	220K OHM 1/6 W 5.00% TA52
R8203	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R8204	0RD1002F609	10K OHM 1/6 W 5% TA52
R8205	0RD1001F609	1K OHM 1/6 W 5% TA52
R8206	0RD2202F609	22K OHM 1/6 W 5% TA52
R8207	0RD2202F609	22K OHM 1/6 W 5% TA52
R8209	0RD1002F609	10K OHM 1/6 W 5% TA52
R8210	0RD1002F609	10K OHM 1/6 W 5% TA52
R8211	0RD1002F609	10K OHM 1/6 W 5% TA52
R8212	0RD4702F609	47K OHM 1/6 W 5% TA52
R8213	0RS6802K607	68K OHM 2 W 5.00% TA62
R8214	0RD1800F609	180 OHM 1/6 W 5.00% TA52
R8217	0RD9100F609	910 OHM 1/6 W 5.00% TA52
R8218	0RS0102J607	10 OHM 1 W 5.00% TA62
R8220	0RD4702F609	47K OHM 1/6 W 5% TA52
R8221	0RD4702F609	47K OHM 1/6 W 5% TA52
R8222	0RS6802K607	68K OHM 2 W 5.00% TA62
R8224	0RS4701H609	4.7K OHM 1/2 W 5.00% TA52

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CC, CX, CK, CN : Ceramic
CQ : Polyestor
CE : Electrolytic

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
R8225	0RS1000H609	100 OHM 1/2 W 5.00% TA52
R8230	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R8232	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R8233	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R8234	0RD3602F609	36K OHM 1/6 W 5.00% TA52
R8235	0RKZVTA001K	0.47M OHM 1/2 W 5% TA52
R8241	0RD1800F609	180 OHM 1/6 W 5.00% TA52
R8249	0RS9102K607	91K OHM 2 W 5.00% TA62
R8250	0RS9102K607	91K OHM 2 W 5.00% TA62
R8251	0RS0152H609	15 OHM 1/2 W 5.00% TA52
R8253	0RS0152H609	15 OHM 1/2 W 5.00% TA52
R8260	0RS9102K607	91K OHM 2 W 5.00% TA62
R8261	0RS9102K607	91K OHM 2 W 5.00% TA62
R8263	0RS0152H609	15 OHM 1/2 W 5.00% TA52
R8273	0RS4702K607	47K OHM 2 W 5.00% TA62
R8274	0RD3902F609	39K OHM 1/6 W 5.00% TA52
R8279	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R8281	0RD6201F609	6.2K OHM 1/6 W 5.00% TA52
R8301	0RMZVBK004C	10 W
R8302	0RMZVBK004C	10 W
R8303	0RMZVBK004C	10 W
R8304	0RD1201F609	1.2K OHM 1/6 W 5% TA52
R8305	180-A04D	RW RECT G 5W 10.0 J SINGLE
R8306	0RS1201H609	1.2K OHM 1/2 W 5.00% TA52
R8307	0RS0272H609	27 OHM 1/2 W 5.00% TA52
R8308	0RS0471H609	4.7 OHM 1/2 W 5.00% TA52
R8309	0RS1201H609	1.2K OHM 1/2 W 5.00% TA52
R8310	0RS1201H609	1.2K OHM 1/2 W 5.00% TA52
R8312	0RS0471H609	4.7 OHM 1/2 W 5.00% TA52
R8313	0RS5602H609	56K OHM 1/2 W 5.00% TA52
R8314	0RD1002F609	10K OHM 1/6 W 5% TA52
R8315	0RD1002F609	10K OHM 1/6 W 5% TA52
R8316	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R8317	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R8318	0RD1201F609	1.2K OHM 1/6 W 5% TA52
R8322	0RS0272H609	27 OHM 1/2 W 5.00% TA52
R8327	0RMZVBK001G	10 W 0.05 OHM MPR 10%
R8329	0RMZVBK001G	10 W 0.05 OHM MPR 10%
R8330	0RMZVBK001G	10 W 0.05 OHM MPR 10%
R8340	0RS1803J607	180K 1W 5% TA62
R8341	0RS1803J607	180K 1W 5% TA62
R8342	0RS1803J607	180K 1W 5% TA62
R8401	0RS0472H609	47 OHM 1/2 W 5.00% TA52
R8402	0RD4700F609	470 OHM 1/6 W 0.05 TA52
R8403	0RS0102H609	10 OHM 1/2 W 5% TA52
R8405	0RS0472H609	47 OHM 1/2 W 5.00% TA52
R8406	0RS0102H609	10 OHM 1/2 W 5% TA52
R8407	0RN8201F409	8.2K OHM 1/6 W 1.00% TA52
R8408	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R8409	0RS5602H609	56K OHM 1/2 W 5.00% TA52
R8410	0RS4702H609	47K OHM 1/2 W 5.00% TA52
R8412	0RD1502F609	15K OHM 1/6 W 5.00% TA52

LOCA. NO	PART NO	DESCRIPTION
R8413	0RD2702F609	27K OHM 1/6 W 5.00% TA52
R8414	0RN1002F409	10K OHM 1/6 W 1.00% TA52
R8415	0RD1501F609	1.5K OHM 1/6 W 5% TA52
R8416	0RD2001F609	2K OHM 1/6 W 5% TA52
R8418	0RD1002F609	10K OHM 1/6 W 5% TA52
R8419	0RD1002F609	10K OHM 1/6 W 5% TA52
R8421	0RMZVBK001D	5 W 0.33 OHM,J(5%),MPR
R8423	0RN5602F409	56K OHM 1/6 W 1.00% TA52
R8425	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R8501	0RS0472H609	47 OHM 1/2 W 5.00% TA52
R8502	0RS0102H609	10 OHM 1/2 W 5% TA52
R8503	0RD4700F609	470 OHM 1/6 W 0.05 TA52
R8504	0RS0472H609	47 OHM 1/2 W 5.00% TA52
R8505	0RS0102H609	10 OHM 1/2 W 5% TA52
R8507	0RS0102H609	10 OHM 1/2 W 5% TA52
R8508	0RS0472H609	47 OHM 1/2 W 5.00% TA52
R8509	0RS0102H609	10 OHM 1/2 W 5% TA52
R8510	0RS0472H609	47 OHM 1/2 W 5.00% TA52
R8514	0RD1002F609	10K OHM 1/6 W 5% TA52
R8516	0RD1502F609	15K OHM 1/6 W 5.00% TA52
R8517	0RS1803J607	180K 1W 5% TA62
R8518	0RN1002F409	10K OHM 1/6 W 1.00% TA52
R8519	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R8522	0RD1002F609	10K OHM 1/6 W 5% TA52
R8523	0RD1002F609	10K OHM 1/6 W 5% TA52
R8524	0RN3902F409	39K OHM 1/6 W 1.00% TA52
R8525	0RN3302F409	33K OHM 1/6 W 1.00% TA52
R8526	0RN1003F409	100K OHM 1/6 W 1.00% TA52
R8527	0RD8202H609	82K OHM 1/2 W 5.00% TA52
R8528	0RD3302F609	33K OHM 1/6 W 5% TA52
R8529	0RN1003F409	100K OHM 1/6 W 1.00% TA52
R8530	0RD4700F609	470 OHM 1/6 W 0.05 TA52
R8531	0RD4700F609	470 OHM 1/6 W 0.05 TA52
R8532	0RS4700H609	470 OHM 1/2 W 5.00% TA52
R8533	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R8534	0RS4700H609	470 OHM 1/2 W 5.00% TA52
R8536	0RS2202H609	22K OHM 1/2 W 5.00% TA52
R8538	0RMZVBK004D	10 W 6.8OHM +/-5% RWS V-TYPE
R8539	0RMZVBK004D	10 W 6.8OHM +/-5% RWS V-TYPE
R8540	0RMZVBK004D	10 W 6.8OHM +/-5% RWS V-TYPE
R8541	0RS1803J607	180K 1W 5% TA62
R8542	0RS1803J607	180K 1W 5% TA62
R8543	0RS2202H609	22K OHM 1/2 W 5.00% TA52
R8544	0RS1803J607	180K 1W 5% TA62
R8545	0RS1803J607	180K 1W 5% TA62
R8547	0RD1001F609	1K OHM 1/6 W 5% TA52
R8801	0RS3902K607	39K OHM 2 W 5.00% TA62
R8802	0RS3902K607	39K OHM 2 W 5.00% TA62
R8803	0RS0102H609	10 OHM 1/2 W 5% TA52
R8803	0RS0392H609	39 OHM 1/2 W 5.00% TA52
R8804	0RD2001F609	2K OHM 1/6 W 5% TA52
R8804	0RD2701F609	2.7K OHM 1/6 W 5% TA52

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LOCA. NO	PART NO	DESCRIPTION
R8805	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R8806	0RD4700F609	470 OHM 1/6 W 0.05 TA52
R8807	180-A01N	0.18 OHM 2 W 5% TA62 PRW
R8808	0RMZVBK002D	15K OHM 5W +/-5% RSR V-TYPE
R8809	0RS3902K607	39K OHM 2 W 5.00% TA62
R8813	0RD6801F609	6.8K OHM 1/6 W 5.00% TA52
R8814	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R8815	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R8816	0RS0472K607	47 OHM 2 W 5.00% TA62
R8818	0RS2701K607	2.7K OHM 2 W 5.00% TA62
R8819	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R8820	0RD1301F609	1.3K OHM 1/6 W 5.00% TA52
R8821	0RS2701K607	2.7K OHM 2 W 5.00% TA62
R8822	0RS2701K607	2.7K OHM 2 W 5.00% TA62
R8823	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R8824	0RD3900F609	390 OHM 1/6 W 5% TA52
R8826	0RD1001F609	1K OHM 1/6 W 5% TA52
R8827	0RD1001F609	1K OHM 1/6 W 5% TA52
R8828	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R8829	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R8830	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R8831	0RD1002F609	10K OHM 1/6 W 5% TA52
R8832	0RS3900K607	390 OHM 2 W 5.00% TA62
R8834	0RD1001F609	1K OHM 1/6 W 5% TA52
R8835	0RD3900F609	390 OHM 1/6 W 5% TA52
R8835	0RS1002H609	10K OHM 1/2 W 5.00% TA52
R8841	0RS3902K607	39K OHM 2 W 5.00% TA62
R8842	0RS0472K607	47 OHM 2 W 5.00% TA62
R8843	0RD6201F609	6.2K OHM 1/6 W 5.00% TA52
R8845	0RS4702H609	47K OHM 1/2 W 5.00% TA52
VR801	0RV5102D550	1K OHM 6 AG L3P5, 2.5 -
VR8401	180-F03L	EVN-DJAA03 B104 SEMI-FIX(H) TA
VR8501	180-F03L	EVN-DJAA03 B104 SEMI-FIX(H) TA
VR8801	180-F03D	
VR8802	180-F03D	
LED		
DL1601	0DL233309AC	SAM2333 GREEN/RED GREEN:10MCD, RED:6MCD
DL1602	0DL233309AC	SAM2333 GREEN/RED GREEN:10MCD, RED:6MCD
DL1603	0DL233309AC	SAM2333 GREEN/RED GREEN:10MCD, RED:6MCD
DL1604	0DL233309AC	SAM2333 GREEN/RED GREEN:10MCD, RED:6MCD
IC103	6301V00003A	UEX-LD-048 DN-50PY10 WHITE WHITE LED INDEX
IC104	6301V00003A	UEX-LD-048 DN-50PY10 WHITE WHITE LED INDEX
LD601	0DL233309AC	SAM2333 GREEN/RED GREEN:10MCD, RED:6MCD
LD602	0DL233309AC	SAM2333 GREEN/RED GREEN:10MCD, RED:6MCD
LD603	0DL233309AC	SAM2333 GREEN/RED GREEN:10MCD, RED:6MCD
LD604	0DL233309AC	SAM2333 GREEN/RED GREEN:10MCD, RED:6MCD
LED101	0DL233309AC	SAM2333 GREEN/RED GREEN:10MCD, RED:6MCD
SWITCH		
SW1101	6600VR1004A	SKHMPW 5P CHIP V .A HORIZONTAL .G
SW201	140-315A	TACT SKHV17910B LG C&D12V

LOCA. NO	PART NO	DESCRIPTION
SW202	140-315A	TACT SKHV17910B LG C&D12V
SW203	140-315A	TACT SKHV17910B LG C&D12V
SW204	140-315A	TACT SKHV17910B LG C&D12V
SW205	140-315A	TACT SKHV17910B LG C&D12V
SW206	140-315A	TACT SKHV17910B LG C&D12V
SW800	6600VM2006A	SDDF3PATP011 250V 4A HORIZONTAL .G
FILTER & CRYSTAL		
F201	6200C000010	H354LAI-K5202 KOREA TOKO R/TP RN-49NZ10HA
F202	6200C000010	H354LAI-K5202 KOREA TOKO R/TP RN-49NZ10HA
F301	6200C000010	H354LAI-K5202 KOREA TOKO R/TP RN-49NZ10HA
F302	6200C000010	H354LAI-K5202 KOREA TOKO R/TP RN-49NZ10HA
IC502	0IZZVF0022C	AFM730F6M00X3(AF9397A) SIP 15P ST ACTIVE
L101	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L101	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L102	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L102	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L103	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L104	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L104	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L105	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L106	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L107	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L1101	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1201	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1204	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1602	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1605	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1606	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1607	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1608	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1609	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1610	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1611	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1612	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1613	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1614	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1615	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1616	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1617	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1618	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1619	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1620	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1621	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1622	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1624	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1625	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1626	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1627	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1628	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1629	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1630	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP

LOCA. NO	PART NO	DESCRIPTION
L1631	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1632	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1633	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L205	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L206	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L207	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L208	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L209	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L210	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L211	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L216	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L217	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L218	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L302	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L405	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L407	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L408	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L510	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L511	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L514	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L515	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L607	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L608	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L609	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L610	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L611	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L612	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L613	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L614	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L615	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L616	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L617	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L618	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L619	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L620	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L801	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L802	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L804	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L8301	6200J000050	COOL-27 SOOJUNG BK 300UH, 1.3 PHY, 43T
L8302	6200J000050	COOL-27 SOOJUNG BK 300UH, 1.3 PHY, 43T
L8303	6200J000031	LS314164 DONGIL BK 1.4 PIE 16.4MH PDP 60
L8304	6200J000031	LS314164 DONGIL BK 1.4 PIE 16.4MH PDP 60
L8305	150-F06D	SQE2930 MH PHY TURN
L8401	125-022K	FERRITEAXIAL 62MM 1UH NY 3.5X6.0MM
L8801	125-022K	FERRITEAXIAL 62MM 1UH NY 3.5X6.0MM
L8802	125-022K	FERRITEAXIAL 62MM 1UH NY 3.5X6.0MM
L8809	6200J000049	TO-23 GET BK S090-019A, 20UH, 1.2PHY, 31.5T
R102	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
R103	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
R106	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
R107	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
R108	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA

LOCA. NO	PART NO	DESCRIPTION
X201	6202VDB007B	RESONATOR,CRYSTAL HC49U 20.250MHZ
X301	6202VDB007B	RESONATOR,CRYSTAL HC49U 20.250MHZ
X401	6202VDT002K	RESONATOR,CRYSTAL SX-1 6MHZ
X401	6212AB2015A	RESONATOR,CRYSTAL HC-49/SM4H 4MHZ
X402	6212BA2002C	RESONATOR,CERAMIC CSALA2M69G4ZF01-B0
X501	156-A02M	RESONATOR,CRYSTAL HC49U 18.432MHZ
X801	6202VDT002D	RESONATOR,CRYSTAL SX-1SMD 8.0MHZ
X901	6212AB2015E	RESONATOR,CRYSTAL HC-49/SM 10.0MHZ
JACK		
JK102	380-068E	UEJ-CV-018 UGCOM D3.5 E/P
JK103	6613V00026A	UJB-03-28A UGCOM
JK1101	380-068E	UEJ-CV-018 UGCOM D3.5 E/P
JK1201	6612BBBHN4A	TOTX179 TOSHIBA OPTIC TX MODULE JACK
JK1202	6612BBBHN4B	TORX179 TOSHIBA S/PDIF OPTICAL RX JACK
JK1203	6612BBBHN4B	TORX179 TOSHIBA S/PDIF OPTICAL RX JACK
JK201	6612VJH020C	PPJ122C A/V 6P(COMPONENT)+SHIELD+GOLD
JK202	6612VJH020B	PPJ122B A/V 6P+SHIELD+GOLD
JK203	6612VJH019B	PPJ121B A/V 4P+SHIELD+GOLD
P201	380-363G	6046B-01S H=8.0 WITH S/W,SHIELD
ACCESSORIES		
A1	3828VA0505A	MANUAL,OWNERS AF046A LG EN TX 026H
A2	6710V00116X	REMOTE CONTROLLER, MB04EA PIP DT-62SZ71DB
A3	6410VSH001E	POWER CORD, BP3110 BIZLINK SAA 2800MM
A4	4810V00509B	BRACKET, WALL AP-60DA10
A5	4350V00046A	RING, HIPSDN-60PY10
A6	6851V00019A	CABLE ASSEMBLY, RF CONN 4AC208A0 3M
A7	6850J00005A	CABLE,DVI LVDS UL20276 AWG30 500MM
A8	6850VA0004F	CABLE,COAXIAL UL1365AWG26 200 MM
A9	6851V00022C	CABLE,COAXIAL UL1365#26 VW-1
MISCELLANEOUS		
F8301	0FS1502B67B	FUSE,SLOW BLOW SLOW BLOW 15000MA
F8302	0FS4001B51D	FUSE,SLOW BLOW 4000MA 250 V 5.2X20
TU101	6700MF0001J	TUNER, TAUH-Z340D 4SYSTEM 2IN1 0001C
TU102	6700DF0001A	TUNER, TDFB-Z205P OFDM DEMODULATOR
VA8301	164-003G	VARISTOR, TVR621D14A 620V 10%
VA8302	164-003G	VARISTOR, TVR621D14A 620V 10%
X1001	6204B60001B	OSCILLATOR, VCXO BUBANG 27MHZ

#1 INPUT

JK101 D-SUB15

JK102 PHONE

JK103 DVI-I

IC103 74HCT08

IC101 * 24C02

IC102 24C02

P104 13PIN_SMD_INDEX

P101B 31PIN

P102B 31PIN

P103B 31PIN

CHASSIS GND

TO CPU

#15 FAN

IC1502 KIA78R05F

IC1503 KIA78R05F

IC1501

P1503 3PIN

P1502 3PIN

P1501 3PIN

#3 SUB VIDEO DECODER

IC301 VPX3226E

#2 MAIN VIDEO DECODER

IC201 VPC3230D

MAIN CVBS or Y/C input Filtering and Current driving

#6 DVI RECEIVER

IC601 Si1169

#9 CPU BLOCK

IC901 S3C4480X

PULL UP RESISTOR

CPU SUPPLY CLOCK

EEPROM

#5 COMP/RGB ADC

CHECK POIONT>>

According to change MURATA LPF. LPFSEL1 is used.

LPFSEL2 is option.

IC502 MURATA LOWPASS FILTER

IC501 AD9883A

#4 COMP/RGB SWITCHING

2004.07.06

IC401 CXA2181Q

#11 RS_232C

I2C 2 TO 4CH HUB

HARDWARE RESET STAGE

URAT CONNECTOR & EPLD DOWNLOAD CABLE

RS232 DRIVER (RECEIVER)

IK1101 IR_JACK

#8 SUB U-COM

IC801 M37272

IC803 AT24C16

#7 HD2

IC701

HD2

#13 IEP

IC1301

LGDT4410

Damping resistor

L/N	IEP OFF	IEP ON
R1214	22	*
R1252	*	22
R1216	22	*
R1253	*	22
R427	*	22
R538	22	*
R577	*	22
R539	22	*
R578	*	22

#14 LVDS

IC1401

THC63LVD103

#10 EPLD BLOCK

IC1001

XC95288XL-TQ144

DPLL & V/A MAIN CLOCK

Zero delay buffer

OUTA Output Frequencies

A[1:0] =) "100011" : 80.109MHz for 1360x768P =) Default 50"PDP
"100111" : 80.190MHz for 1360x768P
"101101" : 66.461MHz for 1024x768P =) 42" XGA PDP
"101111" : 66.529MHz for 1024x768P
"000001" : 74.175MHz for 1920x1080I/1280x720P
"000011" : 74.250MHz for 1920x1080I/1280x720P
"011001" : 36.819MHz for 852X480P =) 42" VGA PDP
"011011" : 36.855MHz for 852X480P

	PDP	50"/60"	42" XGA	42" VGA
DPLL_R4	R878	*	4.7K	*
DPLL_R3C	R879	0K	*	0K
DPLL_R1	R880	4.7K	4.7K	*
	R877	*	*	0K
DPLL_R2	R876	4.7K	4.7K	4.7K
	R874	*	*	*
DPLL_R3	R875	*	*	4.7K
	R881	0K	0K	*

#16 POWER

#12 SPDIF

#4 TEXT BLOCK

IC401
SDA6001

IC402
HY57V641620HG
SDRAM

IC403
FLASH ROM

#2 VIDEO/COMPONENT INPUT

JK202
VIDEO

P201
S-VIDEO

JK201
COMPONENT

JK203
COMPONENT-R/L

#1 TUNER

TU101
TAUH-Z340D

This ground and power(i.e. 3.3V, 5V) must be seperated from other analog blocks.

This ground(digital) must be seperated from analog ground(Pin number 10 , 14)

#7 CONNECTOR

P101A
31PIN

P102A
31PIN

Tuner GND

P104
12PIN

P103A
31PIN

Chassis GND

#6 POWER BLOCK

Close to the pin

#5 AUDIO BLOCK

IC501
MSP4410
(Ver.C13)

IC502
MSP3415B

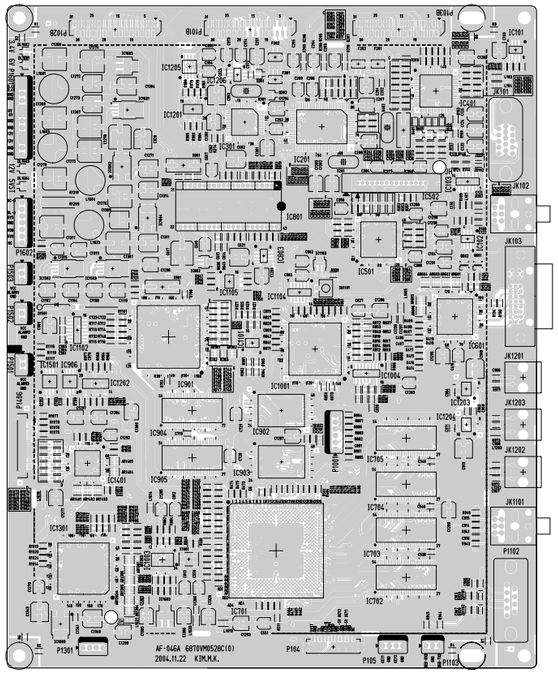
IC503
TA8610AN

#3 AV SWITCHING

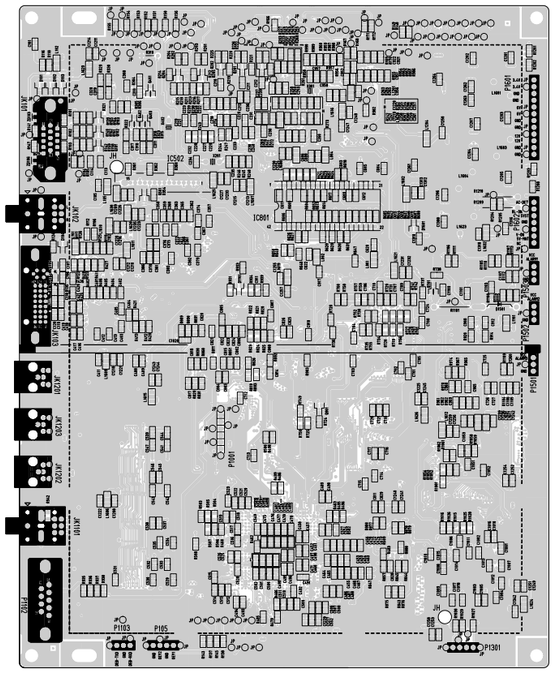
IC301
CXA2069Q

PRINTED CIRCUIT BOARD

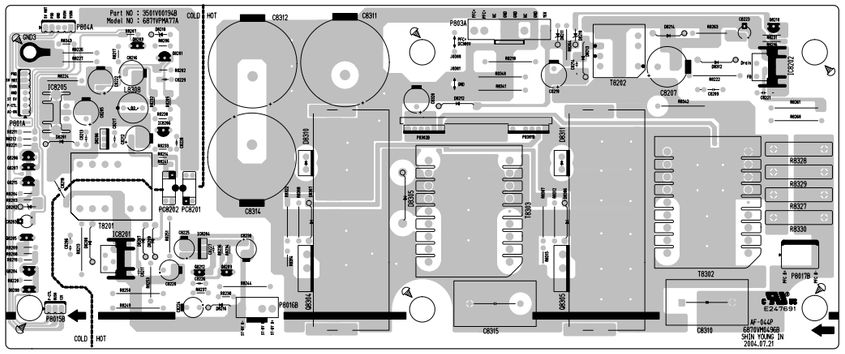
MAIN (TOP)



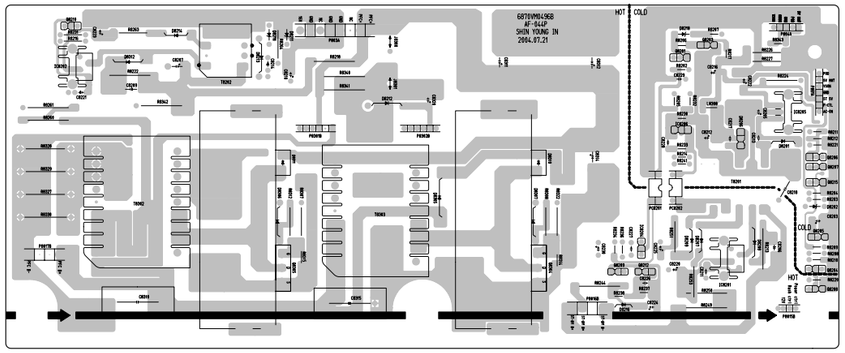
MAIN (BOTTOM)



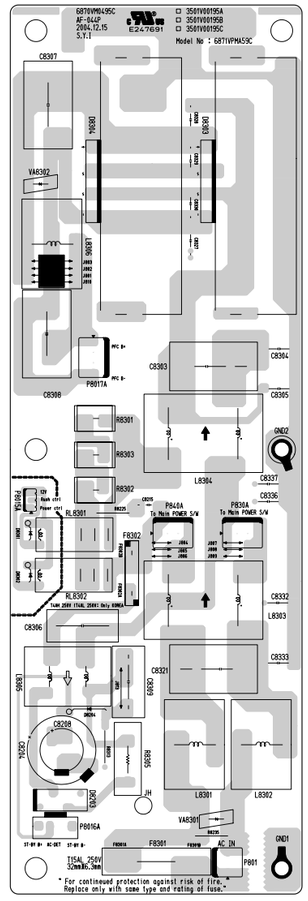
PFC (BOTTOM)



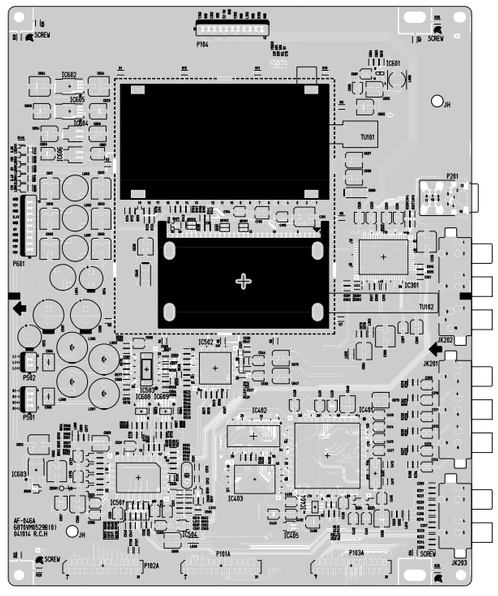
PFC (BOTTOM)



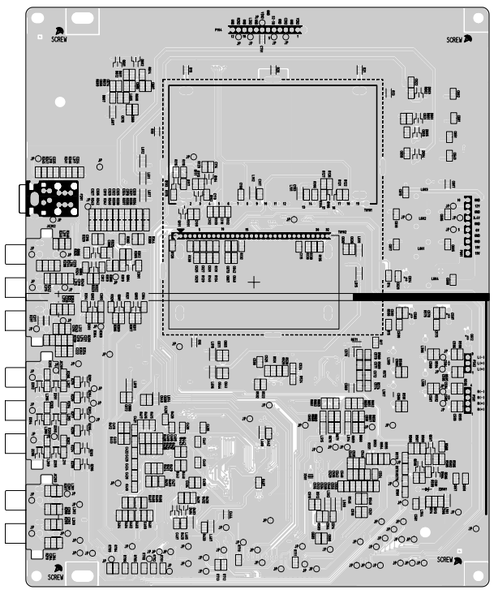
AC IN



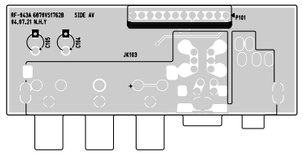
TUNER (TOP)



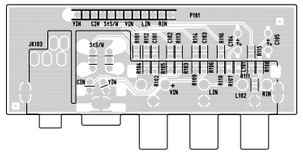
TUNER (BOTTOM)



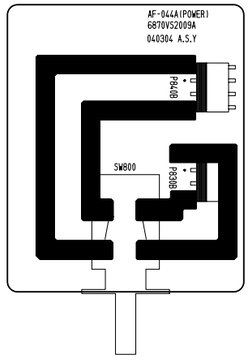
SIDE A/V (TOP)



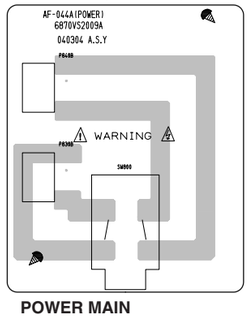
SIDE A/V (BOTTOM)



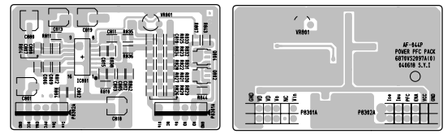
POWER S/W(TOP)



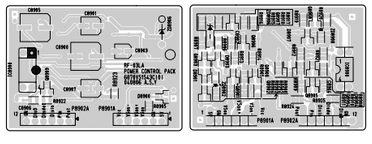
POWER S/W(BOTTOM)



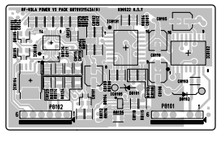
PFC CONTROL PAC (TOP & BOTTOM)



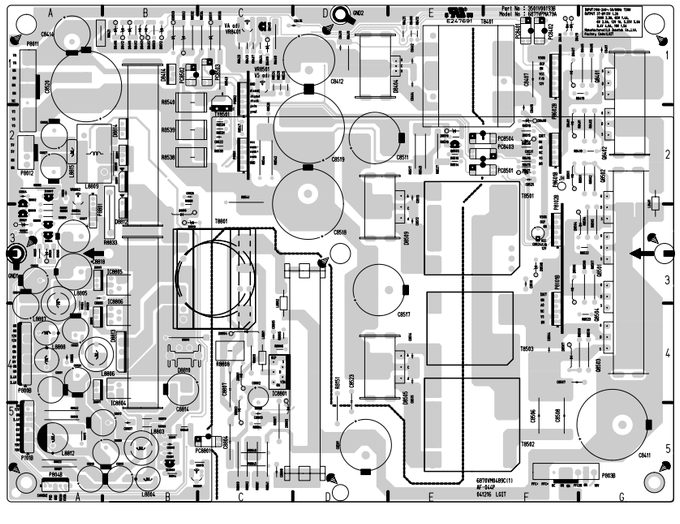
POWER CONTROL (TOP & BOTTOM)



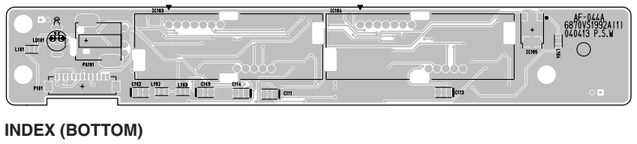
VS (TOP)



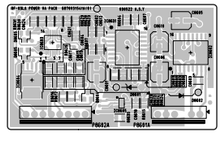
POWER MAIN



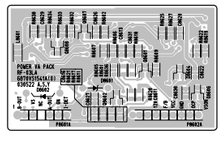
INDEX (TOP)



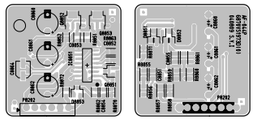
VA (TOP)



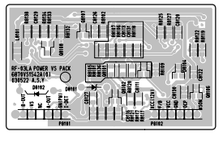
VA (BOTTOM)



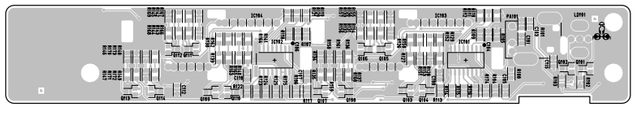
MULTI CONTROL(TOP&BOTTOM)



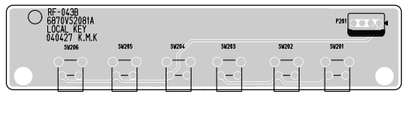
VS (BOTTOM)



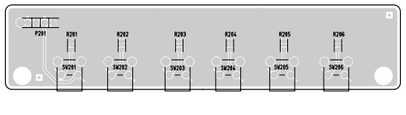
INDEX (BOTTOM)



CONTROL (TOP)



CONTROL (BOTTOM)



LG Electronics Inc.